

Publications of year 2011-2012

DEPARTMENT OF ENGLISH

- 1. "Close Reading and Ground Realities: English Studies at Kalyani." Sarbani Chaudhury, 2012, *Critical Essays: Golden Jubilee Volume*. Editor-in-Chief Sharmila Majumdar. Kalyani: Department of English, University of Kalyani, 133-46. ISBN 978-81-901525-3-2.
- 2. "Absolutist Hagiography and the Function of the Chorus in *Henry V*." Sarbani Chaudhury, 2011, Evil and Its Ramifications in Shakespeare: Macbeth and Other Plays. Chakdah: Chakdah College, .48-58.
- "Judith Shakespeare Virginia Woolf" (with notes, glossary, annotations, & exercises), Sarbani Chaudhury,2011 Text Book for Compulsory English (University of Kalyani: Publication Cell, 43-56. ISBN 978-81-901525-2-5.
- 4. "The Afterlife of *Macbeth* in Nineteenth Century Bengal: A Case Study," Sarbani Chaudhury 2011 MS Academic: An International, Multidisciplinary Refereed Journal, 1,(3), 1-11. ISSN 229-6484.
- 5. CREATIVE WRITING "Toorki Ubacha 2 ["Toorki Says 2"]. Radix. 47 Annual Reunion 2012. Kalyani: Department of English, 2012. 6-7.
- 6. "Screening the Nation: *Guide* and the (Re)production of India". Niladri Ranjan Chatterjee 2011, A Talent for the Particular: Critical Essays on R.K. Narayan. Ed. Raymond-Jean Frontain and Basudeb Chakraborti (New Delhi: Worldview), 133-146.
- 7. Many Windows: The Construction of Meaning in *Rear Window*, Sandip Mondal, 2012, *Critical Essays: Golden Jubilee Volume* English Dept. University of Kalyani, , 978-81-901525-3-2
- 8. Resistance, Writings and Romance: Sandip Mondal, 2012, *Charulata* Speaks, Dept. of English, Prabhat Kumar College, Contai, 978-81-922110-6-0
- 9. Infidel Stars: The film Adaptations of Shakespeare in the System of Star, Sandip Mondal, 2012 *Edulite*, 2278-9545
- 10. "Indeterminacy of Address and Identity in R. K. Narayan's *Swami and Friends*" in *A Talent* for the Particular: Baisali Hui, 2012, Critical Essays on R. K. Narayan. Eds. Raymond-Jean Frontain and Basudeb Chakraborty, New Delhi: Worldview, 20-30, ISBN 978-81-920651-6-8.
- 11. "English Teaching in India: Principles and Practices" Baisali Hui, 2012, Critical Essays: Golden Jubilee Volume. Ed. S. Majumdar, Kalyani: University of Kalyani., 147-157, ISBN 978-81-901525-3-2.
- 12. "The Wild American Beauty: Crime and Gendered Nationality in Conan Doyle's Detective Fiction", Baisali Hui, 2012, Virtuoso Vol. I(2), 86-97, ISSN 2249-6076.

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

- 13. Hooghly Zillar Granthagar: Sekal O Ekal. (*In* Subhra Kumar Mukhopadhyay, *Editor-in-Chief*. Hooghly College 175. Hooghly Mohsin College Juran Krishna Sarkhel, 2011, 175th Anniversary Commemorative Volume. Chinsurah: Hooghly Mohsin College, 266-272.
- 14. Management and preservation of tacit indigenous knowledge: Issues and perspectives. (*In* Arjun Dasgupta, *Ed.* LIS profession in the changing environment: Professor Prabir Roychaudhury Memorial Volume. Kolkata: Juran Krishna Sarkhel, 2011, Indian Association of Special Libraries and Information, 256–283).

- 15. My Respected Teacher Professor Probir Roychoudhury (in Bengali). Aamar Shradheyo Adhyapak Probir Roychoudhury. (Goutam Goswami, Juran Krishna Sarkhel, *Ed.* Probir Roychoudhury O Granthagar Andolon. Kolkata: Bengal Library Association, 1911, 119-121
- 16. Mapping agricultural research in West Bengal: 1993-2007. Juran Krishna Sarkhel, 2011, *Collnet Journal of Scientometrics and Information Management.* 5 (2), 99-113.
- Improving information communication: Juran Krishna Sarkhel, 2011, A state-of-the-art for Indian language technology, Sneha Tripathi and *Journal of Global Communication*. 4 (1), 57-66.
- 18. Quality Issues in ODL Institutes, Juran Krishna Sarkhel, 2012 "Capacity Building of Faculty Working at ODL Institutes".
- 19. Hard and Soft factors of Management of Changes in Libraries, Juran Krishna Sarkhel, 2011 Library Vision 2020, 51. 490-499, ISSN: 0972-3668.
- 20. Scholarly Communication in the Digital Environment: Role of Academic Librarians in Combating Plagiarism: Juran Krishna Sarkhel, 2011, 3rd Quantitative and Qualitative Method in Libraries.
- Knowledge organization and information processing: Sabuj Dasgupta, 2011, Library cataloguing. In Library and Information Science: A guide to school service commission. Kolkata : Prova Prakashani,191-243
- Organization of Library Resources: Trends towards standards and formats. Sabuj Dasgupta, 2011, In Resource Management in academic library: System and tools-edited by Dibyendu Paul. Kolkata :UGC Academic Staff College, University of Calcutta, 117-132, ISBN: 978-81-922481-1-
- 22. Tulima Dey and Sabuj Dasgupta. Web 2.0- Knowledge sharing through social networking information professional perspective. (National Seminar on Information Knowledge Dissemination: Sabuj Dasgupta, 2011, present status & future direction(IKD-2011)) organised by Central Glass and Ceramic Research Institute, Kolkata, India.

DEPARTMENT OF SANSKRIT

23. "A Unique Dharmaśāstric Interpretation of the Periphery of Yajñīya-Deśa—the Sacrificial Land" Anindya Bandyopadhyay, 2011-12, journal *Vedic Studies* VI, ISSN: 2278-4373

DEPARTMENT OF POLITICAL SCIENCE

- 24. "Looking east 1: South-East Asia and ASEAN", Anindya Batabyal, 2011, in David Scott (ed.), Handbook of India's International Relations, 131-142, ISBN 978-1-85743-552-8
- 25. "India, Pakistan and Dialogue under the Shadow of Terror", Anindya Batabyal, 2011, South Asian Survey, 18(2) 207-224, ISSN 0971-5231
- 26. "Pakistan and the Haqqani Network", Anindya Batabyal, 2011, *Institute of Peace and Conflict Studies* (IPCS) Article no.3482, 2011, <u>http://www.ipcs.org/print_article-details.php?recN0=3513</u>
- 27. Colonial Modernity- Indian Perspectives, Edited by Dr. Pradip Basu, 2011 Values of Colonial Modernity and Bureaucracy in India, Setu Prakashani, 174-188, ISBN- 978-93-80677-13-2
- Kautilya on Governance and Corruption. Dr. Bhagwan Dahiya, Nandita Rathee and Seema V Lamba, Contemporary Relevance of Anti-Corruption Strategy in Ancient Indian Administration, Intellectual Foundation India Ltd, 131-164, ISBN-81-903952-9-7

- <u>Designing an Anti-Corruption Strategy for Contemporary Indian Administration</u>,2011 International Public Management Review, Switzerland, Volume12(.2), 97-113, ISSN-1662-1387
- Corruption Control through Ethics-Building in Indian Administration, 2012 XIII International Seminar on Ethics, Morality and Spirituality, Delhi School of Professional Studies, New Delhi
- 31. Comparative Politics (Ed), Prabir Kuamr De, 2011, ISBN: 978-81-317-6033-8.
- 32. *Women in Governance: Rural India in Political Process*, Prabir Kuamr De, 2011, Shodh Prerak, 1(2), ISSN: 2231-413X.
- 33. *Panchayats after 73rd Amendment: In Search of Participatory Orientation*, Prabir Kuamr De,2012, Sodha Prabaha,2(1), ISSN 2231-4113.
- 34. *Tenurial Security: Question of Land-Ownership for Women*, Prabir Kuamr De,2012, Jigyasa, 5(1), ISSN.0974-7468.
- 35. Rabindranath Tagore Philosophical Ideas: A Short Note, Md. Ayub Mallick, 2012, MS Academic, 2,(2-3)

DEPARTMENT OF PHYSICAL EDUCATION

- 36. A study on Motor fitness, on motor creativity and persistency among football, Kho-Kho and Cricket players, Madhab Chandra Ghosh, 2011, Indian Journal of Physical Education and Sports Science. PRACHESTA, 1, 36-40, ISSN-2277-6125
- A Study on Academic Achievement and physical fitness of university level general and schedule caste girls students" Madhab Chandra Ghosh, 2012, Fitness Health & well being, 20-26. ISBN-978-81087891-55-0
- 38. "Relation between anxiety and sports perfectionsm of Kabaddi players" Madhab Chandra Ghosh, 2012, Fitness Health & well being, 72-79. ISBN-978-81-87891-55-0
- 39. Strength and its applications in sports, Madhab Chandra Ghosh, 2012, Fitness Health and well being, 110-119. ISBN-978-81-87891-55-0
- 40. A study on creativity and intelligence among sub-junior kabaddi players, Madhab Chandra Ghosh, 2012, Proceedings ISPERYS, 373-376.ISSN 2250-1398
- 41. A comparative study on verbal creativity, Motor fitness and Motor Creativity of varsity level male athletes of four selected games, Madhab Chandra Ghosh, 2012, Proceedings ISPERYS, 377-381, ISSN2250-1398
- 42. Urban and Rural Differences in somatotyping profile and performance related fitness of Higher secondary Male students. Proceedings International seminar on Physical Education, Madhab Chandra Ghosh, 2012, Recreation and Yogic Sciences, 198-201, ISSN 2250-1398
- 43. Relationship between Body Composition Variables and Motor Performance Variables of Early Adolescent Boys, Saikot Chatterjee, Indian Journal of Yoga and Exercise Science and Physical Education ISBN 0975-2651.
- 44. Comparison of Physical Fitness status of District Level Cricketers, Kanchan Bandopadhyay Journal of Education and Developmen, 1:1, ISSN 2248-9703
- 45. Activity Prescription for Management of Childhood obesity, Kanchan Bandopadhyay, Journal of Education & Culture, 3, ISSN 2229-4287
- Role of Physical Education in the Vision of Swami Vivekananda's Propagated 'Man-Making Character Building' Education, Kanchan Bandopadhyay, Anusilana, XXXVI, ISSN 0973-8762

- 47. A Comparative study of Arm Strength Leg Explosive Power ad Back Strength of 17-21 years state Level Cricket and Volleyball Players, Proceedings of UGC Sponsored National Conference on Physical Education; Kanchan Bandopadhyay, The Key for Holistic Inter disciplinary collaboration, Chandigarh
- A Study on influence of Sprinting Speed and Leg Explosive Strength on Long Jump Take Off, Krishna Banerjee (Biswas), 2011, Indian Journal of Yoga Exercise and Sport Science and Physical Education, V(1&2), ISSN 0975-265x
- 49. Participation of women in sports and yoga for health and quality of life. Krishna Banerjee (Biswas), 2011, Indian journal of physical education and exercise science, 1 ISSN 2277 6125
- Pattern of change in horizontal velocity during approach and take off in long jump. AMASS, Krishna Banerjee (Biswas), 2011, Multilateral Research Journal Bi lingual Bi annual, 3(2) ISSN 0975 – 3966
- 51. National Seminar on Physical Education for Fitness, Krishna Banerjee (Biswas), 2011, Health & Well.
- 52. XIII Annual Conference of West Bengal Association of Sports Medicine & Seminar on, Krishna Banerjee (Biswas), 2012, Performance Profile of Young.
- Conceptual change of women's participation in sport in Indian culture: Ancient to Modern period, Krishna Banerjee (Biswas), 2011, Thirty – Ninth Annual Convocation of the North American Society for Sports History (NASSH
- 54. Effect of selected exercises on reaction speed and agility of rural and urban school children, Krishna Banerjee (Biswas), 2012, International Seminar on Physical Education Recreation and Yogic

DEPARTMENT OF BIOCHEMISTRY & BIOPHYSICS

- 55. Implications of calpains in health and disease. S.Chakraborti, Ms Nur Alam, D.Paik, S.Shaikh, T.Chakraborti, 2012, Indian J Biochem. Biophys, 49, 316-328. (Impact factor 1.0)
- 56. Role of TGF-β1 and TNF-α in IL-1β mediated activation of proMMP-9 in pulmonary artery smooth muscle cells: involvement of an aprotinin sensitive protease. Roy S, Samanta K, Chakraborti T, Chowdhury A, Chakraborti S. (2011), Arch Biochem Biophys. 513(1), 61-9. (Impact factor 3.4).
- 57. Role of protein kinase c-α in leukotriene d4- mediated stimulation of cytosolic phospholipase a2 in pulmonary smooth muscle cells. Sajal Chakraborti, Tapati Chakraborti, Md. Nur Alam, Soni Shaikh, and Soumitra Roy. (2011) IIOAB J. 2(5), 1-6 (Impact factor: 2.2)
- 58. Biochemical Characterization of a Lead-tolerant Strain of Aspergillus foetidus: An Implication of Bioremediation of Lead from Aqua-Environment Shatarupa Chakraborty, Abhishek Mukherjee, and Tapan Kumar Das, 2012, International Biodeterioration & Biodegradation, 84, 134–142, IF=2.235
- **59.** Cadmium tolerance and antibiotic resistance in *E.coli* isolated from waste water stabilization ponds, Patra Sova , Das T.K., Avila C., Cabello V., Castillo F., Sarkar(Paria), D. Lahiir Susimita and Jana B.B , 2012,Indian J. Exptl. Biol., 50,1-7 [IF=.0.753]
- 60. Biochemical Characterization of a lead-tolerant strain of Aspergillus foetidus: An implication of Bioremediation of Lead from aqua environment, Shatarupa Chakraborty, Abhishek Mukherjee, and Tapan Kumar Das, 2011, 15th International Biodeterioration and Biodegradation Symposium (IBBS-15) held at University of Natural Resources and Applied Life Science, Department of \biotechnology, Vienna, Austria, IBBS-15-7-002, 189

- 61. "Studies on antimicrobial activities of biophysically identified silver nano particles synthesized by *Aspergillus foetidus*", Swarup Roy, Triparna Mukherjee, Shatarupa Chakraborty and Tapan Kumar Das, 2011, 5th International Botanical Conference on Climate Change and Sustainable Development held on 9-11 December at the University of Dhaka, Dhaka, Bangladesh, 73.
- Role of PKCα-p(38)MAPK-G(i)α axis in NADPH oxidase derived O2.- -mediated activation of cPLA2 under U46619 stimulation in pulmonary artery smooth muscle cells, Chakraborti S, Roy S, Mandal A, Dey K, Chowdhury A, Shaikh S, Chakraborti T ,2012, Arch Biochem Biophys,523(2),169-80, Impact factor 3.3.
- 63. Role of TGF-β1 and TNF-α in IL-1β mediated activation of proMMP-9 in pulmonary artery smooth muscle cells: involvement of an aprotinin sensitive protease, Roy S, Samanta K, Chakraborti T, Chowdhury A, Chakraborti S ,2011, Arch Biochem Biophys, 513(1), 61-9, Impact factor 3.3.
- 64. Implications of calpains in health and disease, S.Chakraborti, Ms Nur Alam, D.Paik, S.Shaikh, T.Chakraborti. Indian J Biochem. Biophys, 2012, 49,316-328, Impact factor 1.0.
- 65. Role of protein kinase c-α in leukotriene d4- mediated stimulation of cytosolic phospholipase a2 in pulmonary smooth muscle cells, Sajal Chakraborti, Tapati Chakraborti, Md. Nur Alam, Soni Shaikh, and Soumitra Roy,2011 IIOAB J, 2(5),1-6 ,Impact factor: 2.2.
- 66. Plasmid-mediated transformation of Escherichia coli having a dependence on the heat-shock protein GroEL. *Internatl*, Aich P, Chatterjee A K, Patra M and Basu T., 2011, International *Genet. Mol. Biol*, 3, 51-54, ISSN:2006-9863
- 67. "Study on prokaryotic heat shock transcription regulatory protein σ32: An evolutionary approach" Sourav Singha Roy, Monobesh Patra, Tarakdas Basu, Rakhi Dasgupta, Angshuman Bagchi, 2012, National Symposium on Bioinformatics organized by DBT, Govt. of India, Jammu.
- 68. "A method for preparation of stable copper nanoparticle and its high antibacterial activity" Chatterjee A. K, Chakraborty .R, Chattopadhyay A. P and Basu T. ,2011,*INDO US joint symposium on nanomedicine: prospects and challenges* organized by Institute of Chemical technology, Dept of Pharmaceutical sciences and technology UGC-Centre for advanced studies (UGC-CAS).
- 69. "A study on the in vitro interaction between calcium phosphate nanoparticle and salmon testis DNA" in *INDO US joint symposium*, Banik. M, Mukherjee. R, Chattopadhyay A. P and Basu T, 2011, *nanomedicine: prospects and challenges* organized by Institute of chemical technology, Dept of Pharmaceutical sciences and technology UGC-Centre for advanced studies (UGC-CAS).
- 70. "Mechanism behind the calcium chloride mediated induction of competence for the uptake of extra-cellular DNA in E coli: a clue on the role of omp C protein." Aich P and Basu T, 2012 in *State level seminar on advancement of biological science towards sustainable development* joinly organized by dept of zoology Berhampum girls college, Murshidabad and West Bengal Biodiversity Board, Kolkata
- 71. "Metallic copper nanoparticle: may be a potential substitute of antibiotic." Chatterjee A K and Basu T, 2012, in *State level seminar on advancement of biological science towards sustainable development* joinly organized by dept of zoology Berhampum girls college, Murshidabad and West Bengal Biodiversity Board, Kolkata.
- 72. Some spectrofluorimetric studies with intact cells exposed repetitively to low doses of oxidative stress, in Proceedings of National Seminar Ghosh, R. & Girigoswami K ,2012, Modern Trends in Spectroscopy: it's Application in Chemistry and Biology. Ed. S. Bhattacharyya & D.C. Guria,144 152, ISBN

- 73. Antioxidant activity is enhanced through bystander effect of UV radiation, Second National Conference on Biotechnology, Guha D, Karmakar S, Bhowmik S & Ghosh R,2012, Bioinformatics and Bioengineering Organized by Society for Applied Biotechnology at Kolhapur, Maharashtra.
- 74. NADH dehydrogenase subunits are overexpressed in cells exposed repeatedly to H2O2, R. Ghosh, 2011,3rd EPS Global International Forum of Regional and Targeted Therapies, Shanghai University Medical Centre, Shanghai, China.
- 75. Some UV-bystander effects are mediated through induction of antioxidant defense, Guha D., Bhowmik S., Karmakar S. & Ghosh R,2012, International Conference on Free Radicals, Antioxidants and Neutraceuticals in Health, Disease & Radiation Biology & Satellite Meeting of The Society for Free Radical Research-India (SFRR-India) in association with International Union of Biochemistry and Molecular Biology, organized by Department of Biochemistry, College of Medicine & JNM Hospital, WBUHS, Kalyani, Nadia-741235, West Bengal India.
- 76. Suppression of apoptosis leads to cisplatin resistance in cells subjected to chronic oxidative stress, Ghosh R., Girigoswami K. & Guha D, 2012, International Conference on Free Radicals, Antioxidants and Neutraceuticals in Health, Disease & Radiation Biology & Satellite Meeting of The Society for Free Radical Research-India (SFRR-India) in association with International Union of Biochemistry and Molecular Biology, organized by Department of Biochemistry, College of Medicine & JNM Hospital, WBUHS, Kalyani, Nadia-741235, West Bengal India.
- 77. Studies on the biological activity, Rita Ghosh, some bioactive molecules, Ph.D. student Dr. Sudipta Bhowmik
- 78. New direction to the solution of protein folding problem (Comment), Angshuman Bagchi and Tapash Chandra Ghosh Journal of Biomolecular Structure ,28, 653-654, Dynamics Impact Factor:9.35
- 79. Structural modeling of SoxF protein from Chlorobium tepidium : an approach to understand the molecular basis of thiosulfate oxidation, Angshuman Bagchi, Biochemical Biophysical Research Communication, 414, 409-411, Hi index / Impact Factor:2.5
- 80. Structural characterization of the D-Tyr-tRNATyr deacylase from *Bacillus lichenformis*, an organism of great industrial importance Angshuman Bagchi Bioscience, 1, 1-6, 2165-3445, 2165-3453.
- 81. Structural analyses of the interactions of SoxY and SoxZ from thermo-neutrophilic *Hydrogenobacter thermophilus*Angshuman Bagchi and Tapash Chandra GhoshJournal, Biophysical Chemistry, 2, 408-413,Hi index/ Impact Factor:3.98
- Evolutionary analysis of prokaryotic heat shock transcription regulatory protein σ32 Sourav Singha Roy, Monobesh Patra, Tarakdas Basu, Rakhi Dasgupta, Angshuman Bagchi (Corresponding author)Gene, 495, 49-55, Hi index/ Impact Factor:2.371.

DEPARTMENT OF BOTANY

- Jute Biology, Diversity, Cultivation, Pest Control, Fiber Production and Genetics. E. Lichtfouse (ed.), Organic Fertilisation, Soil Quality and Human Health, 227-262. Maity, S., Chowdhury, S. and Datta, A.K., 2012, Sustainable Agriculture Reviews, 9, DOI 10.1007/978-94-007-4113-3_9, © Springer Science+Business Media B.V.
- Secondary Chromosome Associations and Cytomixis in *Corchorus* spp., Mandal, A. and Datta, A. K Cytologia, 2011, 76(3),337-343.
- 85. Evaluation of pollen and productive parameters, their interrelationship and clustering of 8 *Corchorus* spp. (Tiliaceae). Mandal, A., Datta, A. K. and Bhattacharya, A,2011, Nucleus 54(3), 147-152. DOI: 10.1007/s13237-011-0044-y

- 87. Stomatal parameters in nine species of *Corchorus* (Tiliaceae). Maity, S. and Datta, A. K., 2011, Int. J. Biol. Chem. Sci., 5(4), 1358-1364
- Assessment of cytomorphological parameters and chemical contents in *in vitro* and seed propagated plants of elite genotypes of *Withania somnifera* (L.) Dunal, Das, A. and Datta, A. K. 2011, Int. J. Res. Ayurveda Pharm, 2(6), 1768-1771.
- Organogenetic totipotency in *in vitro* culture of two elite genotypes (Poshita and Jawahar 22) of *Withania somnifera* (L.) Dunal and quantification of bio-active compounds, Das, A., Datta, A. K. and Banerjee, D, 2011, Int. J. Res. Ayurveda Pharm, 2(4), 1175-1179.
- 90. Cytological and palynological aspects and andrographolide content in *Andrographis* paniculata. Ghosh, B. K., Datta, A. K., Mandal, A. and Paul, R. 2011, J. Trop. Med. Plants 12(1), 71-76.
- Snake bite, Snake venom, Anti-venom and Herbal antidote a review. Paul, R. and Datta, A. K. 2011, Int. J. Res. Ayurveda Pharm. 2(4), 1060-1067
- 92. An updated overview on Peppermint (*Mentha piperita* L.). Paul, R. and Datta, A. K. 2011, Int. Res. J. Pharm, 2(8), 1-10.
- 93. An updated overview on *Atropa belladonna* L. Paul, R. and Datta, A. K. 2011, Int. Res. J. Pharm. 2(11), 11-17.
- 94. An updated overview on *Cynodon dactylon* (L.) Pers. Paul, R., Mandal, A., Datta, A. K. 2012, Int. J. Res. Ayurveda Pharm. 3(1), 11-14.
- 95. Induced mutagenesis in *Abelmoschus moschatus* (L.) Medik. Dubey PK and Datta AK. 2012, Int. Res. J. Pharm. 3(5), 432-435.
- 96. Cumin (*Cuminum cyminum* L.; Umbelliferae) cultivation in West Bengal plains, Kalyani, Nadia. Paul, R., Mandal, A. and Datta, A. K. 2012, Int. Res. J. Pharm. 3(2), 202-205.
- 97. *Rhoeo spathacea*: A cytogenetical review. Datta, A. K., Mandal, A., Bhattacharya, A., Saha, A. and Paul, R., 2012, Int. J. Res. Ayurveda Pharm. 3(2),151-158.
- Black Cumin (*Nigella sativa* L.) A Review., Datta A.K., Saha, A., Bhattacharya, A., Mandal, A., Paul, R. and Sengupta, S. 2012, J. Plant Development Sci. 4(1),1-43.
- 99. Morphological and cytological studies in *Nigella sativa* L. and *N. damascene* L. (Ranunculaceae). Saha, A. and Datta, A.K. 2012, J. Plant Development Sci. 4(1),63-67.
- 100. An updated overview on *Aloe vera* (L.) Burm. Datta, A. K., Mandal, A., da Silva, J. A. T., Saha, A., Paul, R., Sengupta, S., Dubey, P. K., Halder, S. 2012., F. Medicinal Aromatic Plant Sci. Biotech. 6(1),1-11.
- Karyomorphological studies in four seed spices of Umbelliferae. Paul, R., Mandal, A. and Datta, A. K. 2012, J. Plant Development Sci. 4(2),191-194.
- 102. Inter- and Intra-Plant Variations in Cytomictic Behavior of Chromosomes in *Corchorus fascicularis* Lamk. (Tiliaceae). Mandal, A. and Datta, A. K. 2012, Cytologia 77(2), 269-277.
- 103. Male meiotic mutants with phenotypic marker traits in *Uraria picta* (Jacq.) DC. Bhattacharya, A. and Datta, A. K. 2012, The Nucleus 55(2),95-99.
- 104. *Macrotyloma uniflorum* (Lam.) Verdc. (Leguminosae) A note on chromosomal studies. Halder, S., Datta, A. K., Mandal, A. and Ghosh, B. K. 2012, Cytologia 77(4), 77(4), 447-451
- 105. Induced macromutation in *Andrographis paniculata* (Burm. F.) Nees. Ghosh, B.K., Datta, A.K., Das, A. and Mandal, A. 2012, Int. J. Res. Ayurveda Pharm. 3(4), 604-610.

- 106. An overview on Andrographis paniculata (burm. F.) Nees. Ghosh B. K., Datta A. K., Mandal A., Dubey P. K. and Halder, S. 2012, Int. J. Res. Ayurveda Pharm. 3(6), 752-760.
- 107. Cytomixis an unique phenomenon in plant and animal. Protoplasma 250(5): 985-996. DOI: 10.1007/s00709-013-0493-z
- 108. Induced viable macromutants in *Andrographis paniculata* (Burm. F.) Nees (Family: Acanthaceae). Ghosh BK and Datta Ak. 2012. In: National Symposuium on Plant Cytogenetics: New Approaches; Punjabi University, Patiala.
- 109. Male meiotic mutants with phenotypic marker traits in *Uraria picta* (Jacq.) Dc., Bhattacharya A and Datta AK. 2012, In: National Symposuium on Plant Cytogenetics: New Approaches; Punjabi University, Patiala.
- 110. Inter- and Intra-Plant Variations in Cytomictic Behavior of Chromosomes in *Corchorus fascicularis* Lamk. (Tiliaceae). Mandal, A. and Datta, A. K. 2012 In: National Symposuium on Plant Cytogenetics: New Approaches, Punjabi University, Patiala.
- 111. Studies on Genetic Improvement of Indian Ginseng (Withania somnifera L. Dun. Var. Jawahar 22 and Poshita) Using Induced Mutagenesis, Animesh Kumar Datta, 2011, Polyploidization and In vitro Tissue Culture Approaches. (Dr. Ananya Das awarded Ph.D. Degree in, Co-guide: Prof. Shymal Ghose, Dept. of Genetics, BCKV).
- 112. Characterization and *in vitro* corm production of elite *Gladiolus* varieties from floricultural belt of West Bengal Animesh Kumar Datta, 2012, (Dr. Babita Saha awarded Ph.D. Degree in Science ,Co-guide: Dr. Siraj Datta, Dept. of Biotechnology; Haldia Institute of Technology)
- 113. Differential responses of two rice varieties to salt stress. Ghosh N, Adak M K, Ghosh P D, Gupta S, Sen Gupta DN, Mandal C,2011, Plant Biotechnol, 5,89–103
- 114. Impeded Carbohydrate Metabolism in Rice Plants under Submergence Stress. Adak M K, N Ghosh, D K Dasgupta, Gupta S ,2011, Rice Science, 18(2),116–126
- 115. Comparison of bioactive potentials between 2, 7, (14), 10 Bisabolatriene- 1,9,12 triol, a bisabolane type sesquiterpene isolated from *Curcuma longa* L. and its acetylated derivative; A Ghosh, A Ghosh, P.D Ghosh P. Chatterjee,2012, Journal of Botanical Society of Bengal, 66(2), 119-124
- 116. Antifungal effect of *Cassia fistula* L. on *Cicer arietinum* L. plant infected with *Fusarium oxysporum*, Tuhina Dutta and Padma Chatterjee,2012, Journal of the Botanical Society of Bengal; 66(2), 165-168
- 117. Biocontrol of *Botrytis* blight in *Calendula officinalis* L. by *Ixora coccinea* L., Urbi Bhattacharya and Padma Chatterjee, 2012, Journal of the Botanical Society of Bengal, 66(2), 143-147.
- 118. Multivariate approach to kernel development in Indian Rice Landraces, Chakravorty A & Ghosh PD,2012, Lap Lambert Academic Publishing, Germany.
- 119. Studies on dwindling population of Picrorhiza scrophulariiflora Pennell (Scrophulariaceae): its status and conservation problems in Sikkim Himalayas. Bantawa P, Ghosh PD, Maitra S & Mondal TK, 2011, In: Experimental Phytochemical Techniques (Ed. Raaman N), New India Publishing Agency, Pitam Pura, 237–247.
- Assessment of genetic diversity in three species of Ocimum using RAPD, Saha S, Ghosh PD & Sengupta C,2012, In: Systematics, Biotechnology and Bioprospecting, 841-846.
- 121. Identification of genetic variation of Citrus tristeza virus from diversified complex and development of management strategy in citrus through plant transformation. Ghosh PD, 2012, In: Biology of Plants and Microbes, (Eds. Bose D, Roy S), Levant Books, Kolkata, India. pp. 8-22.

- Assessment of genetic diversity in three species of Ocimum using RAPD. Saha S, Ghosh PD & Sengupta C, 2012, In: Multidisciplinary Approaches in Angiosperm Systematic (Eds. Maiti G, Mukherjee SK), 2, 841-846.
- Biodiversity of medicinal plants in Howrah District, Das M & Ghosh PD,2012, In: Multidisciplinary Approaches in Angiosperm Systematic (Eds. Maiti G., Mukherjee SK), 1, 436-444.
- 124. Integrating biotechnology in biodiversity conservation strategies, Ghosh PD, 2012, In: Biodiversity conservation fundamental and applications (Eds. Eds. Saha H, Ghosh ML, Gangopadhyay G, Saha D, Singh PK, Sarker S, Das SC), 11-20.
- 125. Biosynthetic potential of in vitro grown plants of Ocimum kilimandscharicum Guerke. Giri P, Ghosh PD & Mukherjee SK,2012, In: Biodiversity conservation fundamental and applications (Eds. Saha H, Ghosh ML, Gangopadhyay G, Saha D, Singh PK, Sarker S, Das SC), 107-109.
- 126. Character association in improved Mullberry Genotypes exhibiting delayed leaf senescence, Doss GS, Chakraborty SP, Vijayan K & Ghosh PD, 2011, Journal of Ornamental and Horticultural Plants, 1, 85-95.
- 127. Differential responses of two rice varieties to salt stresses Ghosh N, Adak MK, Ghosh PD, Gupta S, Sengupta DN & Mandol C, 2011, Plant Biotechnology Reports, 5, 89-101.
- 128. Physiological and Biochemical characteristics associated with leaf senescence in Mulberry (Morus spp.), Doss SG, Chakraborti SP, Chattopadhyay S, Das NK, Ghosh PD & Vijayan K, 2011, Open Journal of Genetics, 1, 27-33.
- An Efficient Micropropagation Protocol to Control Abnormality in Long-Term Shoot Cultures of Spathiphyllum floribundum (L.)'Petite', Bandyopadhyay TK, Bandopadhyay M, Silva JATD, Paul S, Dam A & Ghosh PD, 2011, Floriculture and Ornamental Biotechnology, 5, 57-63.
- 130. Towards Development of a Suitable protocol for Regeneration of Gladiolus (Gladiolus grandiflorus) in vitro, Maitra S, Roychowdhury N, Ghosh PD & Satya P, 2011, International Journal of Bioresource and stress Management, 2, 283-286.
- 131. Effect of Kinetin and NAA on Regeneration of Carnation (Dianthus caryophyllus L.) from shoot-tip Explants, Maitra S, Roychowdhury N, Ghosh PD & Satya P (2011), International Journal of Bioresource and stress Management, 2, 287-292.
- 132. In vitro flowering in Rauvolfia serpentina (L.) Benth. ex. Kurz, Mondal S, da Silva J. A. T. & Ghosh PD, 2011, International Journal of Plant Developmental Biology, 5, 75-77.
- Character Assoication in improved Mulberry genetoypes exhibiting delayed senescence. Doss SG, Chakraborti SP, Vijayan K & Ghosh PD,2011, Journal Ornamental & Horticultural plants 1, 85-95.
- 134. In vitro propagation of Ocimum gratissimum L. (Lamiaceae) and its evaluation of genetic fidelity using RAPD markers, Saha S, Kader A, Sengupta C & Ghosh PD,2012, American Journal of Plant Science, 3, 64-74.
- 135. Development of mulberry varieties for sustainable growth and leaf yield in temperate and subtropical regions of India, Doss SG, Chakraborti SP, Roychowdhuri S, Das NK, Vijayan K & Ghosh PD, 2012, Euphytica, 185, 215–225.
- 136. Effect of Methanolic Leaf Extract of Ocimum basilicum L. on Benzene-Induced Hematotoxicity in Mice. Saha S, Mukhopadhyay MK, Ghosh PD & Nath D, 2012, Evidence Based Complement Alternative Medicine, doi:10.1155, 176385
- 137. Hormonal control of sex expression of cucumber (Cucumis sativus L.) with the identification of sex linked molecular marker, Adhikari S, Bandyopadhyay TK & Ghosh PD (2012), Nucleus, 55, 115-122.

2015

- 138. Changes of growth, photosynthesis and alteration of leaf antioxidative defence system of tea [Camellia sinensis (L.) O.Kuntze] seedlings under aluminum stress. Mukhopadyay M, Bantawa P, Das A, Sarkar B, Bera B, Ghosh PD & Mondal TK, 2012, Biometals, 25, 1141-1154
- 139. Cellular differentiation, regeneration, and secondary metabolite production in medicinal Picrorhiza spp- a review Mondal TK, Bantawa P, Sarkar B, Ghosh PD & Chand PK,2012, Plant Cell Tissue and Organ Culture, DOI 10.1007, s11240-012-0223-9.
- 140. Grain dimension studies in view of kernel weight development in traditional rice of West Bengal, Chakravorty A & Ghosh PD, 2012, International Journal of Biosciences, 2, 95-102.
- 141. Evaluation of genetic diversity of Avicenniaceae family in Indian sundarban by using RAPD and ISSR markers Ghosh PD, Kader A & Sinha SN, 2012, Iranian Journal of Genetics and Plant Breeding, 1, 22-27.
- 142. Structural, physiological, and biochemical profiling of tea plantlets under zinc stress. Mukhopadhyay M, Das A, Subba P, Bantawa P, Sarkar B, Ghosh PD & Mondal TK,2012, Biologia Plantarum, 57, 474-480.
- 143. Studying molecular evolution using tools of bioinformatics: an example from maize starch biosynthetic pathway, Ghatak V & Ghosh PD, 2011, NBU Journal of Plant Sciences, 5, 1-5.
- 144. Detection of natural genetic diversity of Gaultheria fragrantissima landraces by RAPDs: An endangered woody oil bearing plant of Indo-china Himalayas, Bantawa P, Das AK, Ghosh PD and Mondal TK, 2011,Indian Journal of Biotechnology, 10, 294-300
- 145. Character association in improved Mulberry genotypes exhibiting delayed senescence, Doss SG, Chakraborti SP, Vijayan K & Ghosh PD, 2011, Journal of Ornamental & Horticultural Plants, 1, 85-95.
- 146. A note on the ethnobotanical studies of some pteridoplytes in Assam Sen A & Ghosh PD, 2011, Indian Journal of traditional Knowledge, 10, 282-285.
- 147. genetic divergence of local germplasm of rice (Oryza sativa L) in red and laterite tracts of West Bengal, Dutta A, Ghosh PD, Hossain F & Sadhukhan R ,2011, Journal of Crop and Weed, 7, 26-29.
- 148. Assessment of genetic diversity in certain Indian elite clones of Cymbopogon species through RAPD markers Adhikari S, Bandyopadhyay TK & Ghosh PD, 2011, Indian Journal of Biotechnology, 12, 109-114.
- 149. Physio-biochemical markers for selecting water logging tolerant mulberry genotype, Sil SK, Ghosh PD & Ghal MK, 2011, Journal of Crop and Weed, 7, 59-62.
- 150. Effect of kinetin and NAA on regeneration of canation (Dianthus caryophyllus L.) from shoot tip explants, Maitra S, Roychowdhury N, Ghosh PD & Satya P, 2011, International Journal of Bioresources & Stress management, 2, 287-292.
- 151. Towards development of a suitable protocol for regeneraton of Gladiolus (Gladiolus grandiflorus L.) in vitro, Maitra S, Roychowdhury N, Ghosh PD & Satya P, 2011, International Journal of Bioresources & Stress management, 2, 283-286.
- Phenotypic divergence for agro-morphological traits among land races of traditional rice genotypes of West Bengal, Chakraborty A & Ghosh PD, 2012, Journal of Botanical Society of Bengal, 65, 183-186.
- 153. An analysis on genetic parameters of different landraces of rice of West Bengal Chakraborty A & Ghosh PD, 2012, Journal of Crop and Weed, 7, 59-63.
- 154. A simplified high yielding miniprep genomic DNA extraction protocol for three chemotypically different plant species, Adhikari S, Chattopadhyay SK & Ghosh PD,2012, Indian Journal of Biotechnology, 11, 337-340.

- 155. Comparison of bioactive potentials between 2, 7, (14), 10 Bisabolatriene- 1,9,12 triol, a bisabolane type sesquiterpene isolated from Curcuma longa L. and its acetylated derivative, Ghosh A, Ghosh A, Ghosh PD & Chatterjee P,2012, Journal of Botanical Society of Bengal, 66, 112-119.
- 156. Genetic divergence in landraces of rice (O. sativa L.) of West Bengal, India, Chakravorty A & Ghosh PD, 2012, Journal of Crop and Weed, 8, 23-28.
- 157. Evaluation of traditional rice germplasms for alluvial zone of West Bengal- a review, Chakravorty A & Ghosh PD, 2012, NBU Journal of Plant Sciences, 6, 1-8.
- 158. Morphological and phytochemical analysis of Ocimum kilmandscharicum Guerke- Potential source of natural camphor Giri P, Ghosh PD, Mukherjee SK, 2012, Journal of Botanical Society of Bengal, 66, 97-104.
- 159. Comparison of bioactive potentials between 2, 7, (14), 10 Bisabolatriene-1, 9, 12 Triol, A Bisabolene type sesquiterpene isolated from Curcuma Longa L. and its acetylated derivative, Ghosh A, Ghosh A, Ghosh PD, Chaterjee P, 2012, Journal of the Botanical Society of Bengal, 66, 119-124.
- 160. UGC sponsored National Seminar on "Biotechnology approach to improve medicinal plants" P.D.Ghosh, 2011, Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan, 19-33
- 161. UGC sponsored National Seminar on "Biotechnology approach to improve medicinal plants" S. Adhikari, S. Pal, S. Saha & P.D. Ghosh, 2011, Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan, 66-80.
- 162. M. Das, D. Shastri & P.D. Ghosh (2011). UGC sponsored National Seminar on "Biotechnology approach to improve medicinal plants" 21'-22nd January, 2011. Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan, pp 81-92.
- 163. A. Ghosh, A. Sarkar & P.D. Ghosh (2011) UGC sponsored National Seminar on "Biotechnology approach to improve medicinal plants" 21st -22nd January, 2011, Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan, pp 97-107.
- 164. Perspective on Secondary Metabolites and their Exploitation, P.D.Ghosh, 2011, Biotechnology approach to improve medicinal plants Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan.
- 165. An assessment of Micropropagated Plantlets of Mentha piperita L. using Molecular marker S. Adhikari, S. Pal, S. Saha & P.D. Ghosh,2011, Biotechnology approach to improve medicinal plants, Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan
- 166. RAPD analysis in Bacopa monnieri (L.)' Penn with a view to assess genetic polymorphism in in vitro and in vivo M. Das, D. Sastri & P.D. Ghosh, 2011, Biotechnology approach to improve medicinal plants, 21st -22nd January, 2011, Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan
- 167. In-vitro Organogenesis of Mucuna pruriens var. utilis and its evaluation of genetic stability through RAPD marker, A. Ghosh, A. Sarkar & P.D.Ghosh ,2011,Biotechnology approach to improve medicinal plants, Department of Botany, Asansol Girls College collaboration with Department of Biotechnology, University of Burdwan
- 168. Application of Molecular Markers in Plant Tissue Culture, P.D.Ghosh, 2011 ,Recent Advances in Plant Tissue Culture and Biotechnological Researches in India, M.N. Institute of Applied Sciences, Bikaner, Rajasthan).

- 169. Anatomical Physio-Chemical and molecular analysis of tea (Camellia sp.) seedling under zinc deficiency condition. M. Mukhopadhyay, A. Das, P. Subba, P. Bantawa, B. Sarkar, P.D. Ghosh & T.K. Mondal, 2011, Recent Advances in Plant Tissue Culture and Biotechnological Researches in India, M.N. Institute of Applied Sciences, Bikaner, Rajasthan.
- 170. RAPD marker assisted selection of male and female plants in a promising dioecious crop: pointed gourd (Trichosanthes dioica), S. Adhikari, A. Ghosh & P.D. Ghosh, 2011, Recent Advances in Plant Tissue Culture and Biotechnological Researches in India, M.N. Institute of Applied Sciences, Bikaner, Rajasthan.
- 171. Diversity analysis and in-vitro regeneration of Lablab purpureus-A plant biotechnological perspective for crop improvement, S. K. Chattopadhyay & P.D. Ghosh, 2011, Recent Advances in Plant Tissue Culture and Biotechnological Researches in India, M.N. Institute of Applied Sciences, Bikaner, Rajasthan.
- 172. Evaluation of genetic fidelity in micropropagated plantlets of Ocimum kilimandscharicum guerke (Labiatae) using RAPD markers, S. Saha & P.D. Ghosh, 2011, Recent Advances in Plant Tissue Culture and Biotechnological Researches in India, M.N. Institute of Applied Sciences, Bikaner, Rajasthan).
- 173. Possibility of identification and characterization of Sesame cultivars on the basis of protein profile, T.N. Dhar & P.D.Ghosh, 2011, Recent Advances in Plant Tissue Culture and Biotechnological Researches in India, M.N. Institute of Applied Sciences, Bikaner, Rajasthan.
- 174. Association of important physiological and biochemical characters with leaf yield in delayed senescent mulberry (Morns spp) genotypes under varied agro-climatic conditions of West Bengal, S.G. D oss, S.P.Chakraborti, K. Vijayan, P.D.Ghosh & A.K.Bajpai, 2011, National Conference on Sericulture Innovations: Before and Beyond, CSR&TI, Mysore).
- 175. An analysis of genetic diversity of different landraces of rice of West Bengal, A. Chakraborty & P.D. Ghosh,2011, International Symposium of BCKV, Kalyani
- 176. Understanding genome relationship among seven species of Ocimum (Lamiaceae) based on Molecular markers (RAPD & ISSR), S. Saha, A. Kader, P.D. Ghosh & C. Sengupta, 2012 National Symposium on "Biology and Bioinformatics of Economically important plants and Microbes" organized by Department of Botany and Bioinformatics facility, University of North Bengal University, Siliguri, 18.
- 177. Evaluation of anticancer activity of methanolic leaf extract of Ocimum basilicum L. on benzene induce Swiss albino mice hematotoxicity model, Nation S. Saha, M.K. Mukhopadhyay, D. Nath & P.D. Ghosh, 2012 ,al Symposium on "Impact of Plant Tissue Culture on Advance in Plant Biology" organized by St.Xavier's College ,Loyola Center for Research and Development (Ahmedabad) and Plant Tissue Culture Association, India, 140.
- 178. Evaluation of genetic fidelity in micropropagated plantlets of Ocimum kilimandscharicum Guerke (Labiatae) using RAPD marker, National S. Saha & P.D. Ghosh , 2011, Symposium on "Recent Advances in Plant Tissue Culture and Biotechnological Researches in India" organized by M. N. Institute of Applied Science, Bikaner (Rajasthan) and Plant Tissue Culture Association, India, 167.
- 179. Non-target effect of two fungicides on *Glomus mosseae* colonization of chilli roots. Das, D and S. Chaudhuri, 2012, *Mycorrhiza News* 24 (2).
- 180. Aerobiology of air-borne conidia of *Alternaria* over the crop canopy of radish under field conditions. Das Tapoti, S Chaudhuri and S.Das, 2012 ,*J. Mycopathol*, 50(1), 49 -53.
- Changes in defence-related enzymes in rice responding to challenges by *Rhizoctonia solani*. Mondal A., S. Dutta, S. Nandi, S. Das S. Chaudhuri, 2012, *Arch. Phytopathology Plant Prot*, 45(15), 1840-1851.
- Physiological changes in *Alternaria solani* treated with Nativo®75 WG. Nandi S., A. Mondal, S. Chaudhuri and S. Dutta 2012, *Australas Mycologist*, 30, 5-12.

- 183. Assessment of arbuscular mycorrhizal mediated phosphate uptake in some cultivated and weed plants, with a view to its exploitation and bioprospecting, Dhruba Das and S. Chaudhuri, 2012, Proc. of Annual Con. of IAAT & Intl. Sem. on Multi Disciplinary Approaches in Angiosperm Systematics, Kalyani University
- 184. Some investigations on the epidemiology of black spot of rose, a limiting factor in rose cultivation, Chakraborty S.P. and S. Chaudhuri, 2012 Proc. of Annual Con. of IAAT & Intl. Sem. on Multi Disciplinary Approaches in Angiosperm Systematics. Kalyani University
- 185. Newly detected additional Enterobacterial species in the wilt causing complex of plants: novel environmental strains? Shamayeeta Sarkar, S Guha Roy, S Chaudhuri, 2012, Frontiers in Modern Biological Sciences, IISER, Kolkata
- 186. Changes in defence related enzymes in rice responding to challenge by *Rhizoctonia solani*, Mondal A, S.Dutta, S.Das,N Mondal & S Chaudhuri, 2012, Abstr 3rd Global Conference Plant Pathology for Food Security, ISMPP, Udaipur
- 187. Isolation of chitinolytic actinomycetes from rhizospheric soil of rice and their potential in biocontrol, Pal P. & S.Chaudhuri, 2012, Abstr 3rd Global Conference Plant Pathology for Food Security, ISMPP, Udaipur
- Decolourization of high molecular weight dyes by some litter decomposing fungi, Pramanik S & S.Chaudhuri, 2012, Abstr 3rd Global Conference Plant Pathology for Food Security, ISMPP, Udaipur.
- 189. Induction of systemic acquired resistance in *Raphanus sativus* against dark leaf spot disease by preinoculation with *Alternaria* sp. Abstr, Nan A. & S Chaudhuri, 2012, 3rd Global Conference Plant Pathology for Food Security, ISMPP, Udaipur
- 190. Evaluation of *Bacillus subtilis*, *Pseudomonas aeruginosa* and *Trichoderma* spp. In controlling bacterial wilt of tomato, Sarkar S, S.Guha Roy & S Chaudhuri, 2012, Abstr 3rd Global Conference Plant Pathology for Food Security, ISMPP, Udaipur
- 191. Study of post harvest deterioration of banana an important tropical fruit with reference to the organisms involved and related biochemical changes. Indrani Bandopadhyay
- 192. GENE BANK ACCESSIONS: JX648204. Bacterial wilt causing organism from West Bengal. Sarkar S and S. Chaudhuri. 2012.
- 193. GENE BANK ACCESSIONS: JX880249. Bacterial wilt causing organism from West Bengal. Sarkar S and S. Chaudhuri. 2012.
- 194. GENE BANK ACCESSIONS: JX880250. Bacterial wilt causing organism from West Bengal. Sarkar S and S. Chaudhuri. 2012.
- 195. GENE BANK ACCESSIONS: JX880251. Bacterial wilt causing organism from West Bengal. Sarkar S and S. Chaudhuri. 2012.
- 196. Linnaeus and his Apostles, In : Perspectives of Plant Taxonomy Exploration, Herbarium, Nomenclature and Classification, Proceeding of the Seminar Cum Workshop Plant Explorations, Herbarium Techniques and Calcutta University Herbarium (CUH) (Ed. Debabrata Maity), Nava, Mukherjee, S. K., 2012, Udyog, Kolkata, India, 100 – 121.
- 197. Cypsela as a taxonomic markar for the genus Solidago L. in the tribe Astereae (Asteraceae), Jana, B.K. and Mukherjee, S. K., 2012, In: Biodiversity Conservation: Fundamentals and Applications (Eds. Saha, H. et al.), Dum Dum Motijheel College, Kolkata, W. B., India., 227-233, ISBN: 9789380663579
- 198. Cypselar diversity in six taxa of Sunflower tribe (Tribe Heliantheae) of the family Compositae, Talukdar, Tulika and Mukherjee, S. K. 2011, In : *Biodiversity Conservation : Fundamentals* and Applications (Eds. Saha, H. et al.), Dum Dum Motijheel College, Kolkata, W. B., India., 130-132, ISBN: 9789380663579

- 199. Diversity of cypselar features and their taxonomic significance in three species of the tribe Cardueae of Asteraceae, Jana, B. K. and Mukherjee, S. K., 2012, In: *Diversity and Conservation of Plants and Traditional Knowledge* (Eds. Panda, S. and Ghosh, C.), Bishen Singh, Mahendra Pal Singh, Dehra Dun., 249-257.
- 200. Some plants used as antidote to snake bite in West Bengal, India, Mitra Sunit and Mukherjee, S. K., 2012, In: *Diversity and Conservation of Plants and Traditional Knowledge* (Eds. Panda, S. and Ghosh, C.), Bishen Singh, Mahendra Pal Singh, Dehra Dun., 515 537.
- 201. Comparative Taxonomic Studies of Four Species of *Barleria* L. (Tribe Justicieae *Sensu* Benth. & Hook. *f.* Acanthaceae) of N. E. India, Mitra Sunit and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 113 117, ISBN : 978-93-5067-867-1
- 202. A Sketch on the Family Commelinaceae of West Bengal, Bandyopadhyay, S., Mitra, S. and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India., 122 – 135, ISBN : 978-93-5067-867-1.
- 203. Status of *Litsea* Lam. (Lauraceae) in Andaman and Nicobar Islands, India, Bhuinya, Trina and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 145 148, ISBN : 978-93-5067-867-1,
- 204. Diversity of Cypselar Features in Six Species of the tribe Lactuceae (Asteraceae). Das, Debashis and Mukherjee, S. K. 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 156 166, ISBN : 978-93-5067-867-1
- 205. Morphoanatomical Study of Cypselas some members of the Tribe Anthemideae (Compositae), Das, Pratyusha and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 175 – 181, ISBN : 978-93-5067-867-1
- 206. Morphological Variations of Cypselas in Five Species of the Tribe Lactuceae(Asteraceae), Tulika Talukdar and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 182 – 185, ISBN : 978-93-5067-867-1
- 207. Cucurbitaceae of West Bengal -A Cencus, Mitra, S., Bandyopadhyay, S. and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 186 205, ISBN : 978-93-5067-867-1.
- 208. Studies on Mangrove Flora of Lothian Island Wildlife Sanctuary Sundarbans, West Bengal, Brahma, Goutam, Debnath, H.S. and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 422 – 427, ISBN : 978-93-5067-867-1
- 209. Seedlings of Mangrove and Its Impacts on the Ecosystem of Sundarban, Sarkar, Amal Kumar, Maiti, G. G. and Mukherjee, S. K. 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India, 445 – 448, ISBN : 978-93-5067-867-1.
- 210. Ethno-Gynaecologica Study Among the Kondha Tribes of Rayagada District, Orissa, India, Baul, Amulya, Sahu, S. C., Dhal, N. K. and Mukherjee, S. K., 2012, In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee,

S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India., 655 – 660, ISBN : 978-93-5067-867-1.

- 211. A Census of Wild Edible and Medicinal Plants from Howrah district, West Bengal, India, Bandyopadhyay, S. Haldar, D. and Mukherjee. S. K., 2012, Proceeding of UGC Sponsored National Seminar on "Plant Science Research in Human Welfare". Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of India., 15 - 25, (ISBN: 978-93-80673-71-04)
- 212. Some less known alien species of West Bengal in human healthcare., Mitra, S. and Mukherjee, S. K., 2012, Proceeding of UGC Sponsored National Seminar on "Plant Science Research in Human Welfare". 11th 12th January, 2012, Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of Ind Roy, Debolina and Mukherjee, S.K. 2011. Diversity of trees in Kalyani Township in West Bengal. J. Econ. Taxon. Bot. 35 (4), 687 695
- 213. Carpological studies of some members of the tribe-Lactuceae (Asteraceae). Jana B.K. and Mukherjee S. K., 2011, *Journal of Interacademica*, 16(2), 188-195
- 214. Diversity of cypselar features of seven species of the genus *Crepis* L. in Compositae, Jana, Bidyut Kumar and Mukherjee, S. K. 2012, *Indian Journal of Fundamental and Applied Life Sciences*. <u>http://www.cibtech.org/jls.htm</u> 2 (1), 51 58.
- 215. Morphological and anatomical studies of cypselae of 3 species of the family Compositae, Jana, Bidyut Kumar and Mukherjee, S. K., 2012, International Journal of Science Innovations and Discoveries. <u>www.ijsidonline.info</u> 2 (3), 386-393.
- 216. Comparative morphological and anatomical studies of cypselas of some members of the tribe Millerieae (Asteraceae), Jana, B. K. and Mukherjee, S. K. 2012, *IJPRBS*, 1(5), 317-330, ISSN : 2277-8713. <u>www.ijprbs.com</u>.
- 217. Variations of cypselas of 5 taxa of the tribe Vernonieae (Asteraceae). Jana B. K. and Mukherjee S. K. 2012. *ia.* (*ISBN: 978-93-80673-71-04 IJPRBS.*, 1(5), 420-435, ISSN: 2277-8713. *www.ijprbs.com*.
- 218. Cypselar morphology of some species of the family Compositae and their taxonomic significance, Jana, B. K. and Mukherjee, S. K. 1012. *IJPRBS*, 1(5), 463-484, ISSN : 2277-8713. <u>www.ijprbs.com</u>
- Carpological analysis of the species *Elephantopus carolinianus* Raeusch. of the tribe Moquinieae- Asteraceae, Jana, B. K., Bar R. R. and Mukherjee, S. K. 2012, *TLS*, 1(2), 1-4, ISSN: 2319–5037.
- 220. Morphological study of cypselas in 3 species of the tribe Vernonieae-Asteraceae, *IJPRBS*. ISSN : 2277-8713. <u>www.ijprbs.com</u> 1(6), 208-217.
- 221. Cypselar morpho-anatomy help in the separation of taxa, when flowering stage is not available, Jana, B. K., Bar, R. R. and Mukherjee, S. K., 2012, *The Journal of Biodiversity*, Photon, 112, 160-165.
- 222. Morphological Variation of Trichomes in Some Common Species of Asteraceae, Saha, Lipika and Mukherjee, S. K., 2012, *IJPRBS*, 1(5), 463-484, ISSN: 2277-8713. www.ijprbs.com
- 223. Diversity of trichomes from mature cypselar surface of some taxa from the basal tribes of Compositae, Mukherjee, S.K. and Nordenstam, B., 2012, *Compositae Newsletter*. Published from Swedish Museum of Natural History, Stockholm, SWEDEN, 50, 78 – 125.
- 224. Diversity of cypselar features of seven species of the genus *Crepis* L. in Compositae, Jana, Bidyut Kumar and Mukherjee, S.K., 2011, National Level Conference on "Biodiversity: Threats and Conservation Through Traditional and Biotechnological Approaches" February 4 6, 2012. Organized by Department of Botany, Zoology & Microbiology, Dum Dum

Motijheel College, 1, Motijheel Avenue, Kolkata – 700 074, West Bengal, India, in Collaboration with Bose Institute & Botanical Survey of India, 95.

- 225. Ethnobotanical Remedies of Snake Bite in West Bengal, Mitra, S. and Mukherjee, S.K. 2011, a Profile "Biodiversity: Threats and Conservation Through Traditional and Biotechnological Approaches" February 4 – 6, 2012. Organized by Department of Botany & Microbiology, Dum Dum Motijheel College, 1, Motijheel Avenue, Kolkata – 700 074, West Bengal, India, in Collaboration with Bose Institute & Botanical Survey of India.
- 226. Macromorphology of Capitula and Micromorphology of Pappus: Defensive Roles in Compositae, Mukherjee, S. K., 2012, XXII Annual Conference of Indian Association for Angiosperm Taxonomy and *International Seminar on "Innovative Prospects in Angiosperm Taxonomy"* (ISIPAT 2012). October 28 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India, 78.
- 227. Micromorphological Features of Some Members of Compositae and Their Taxonomic Significance, Roy, Bablu, Mukherjee, S.K. and Maiti, G.G., 2012, XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy' (ISIPAT 2012). Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India, 154.
- 228. Ghosh, Tinku and Mukherjee, S.K. 2012. Diversity of Bracts and Calyx of Barleria L. in India and Their Taxonomic Significance. XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT 2012). October 28 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.141.
- 229. Variation of Floral Structure in Habenaria Willd.(Orchidaceae) In India, Chaudhury, Suptotthita and Mukherjee, S.K., 2012, XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT 2012). October 28 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, Indi, 138.
- 230. Studies on the Members Of *Cassia* Linn. in Kalyani Township With Special Reference to Morphology of Posterior Petal, Das, Puspen, Hossain, Najbul and Mikherjee, S. K. 2012, XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT 2012). Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India, 139.
- 231. Comparative Studies on the Mangrove Diversity Between Two Wildlife Sanctuaries of Sundarbans, West Bengal, Brahma, Goutam, and Mukherjee, S.K. 2012, XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT – 2012). Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India, 172-173
- 232. Variations of Cypselas of Five Taxa of The Tribe –Vernonieae (Asteraceae), Jana, Bidyut Kumar and Mukherjee, S.K., 2012,XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT 2012). Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India, 69.
- 233. Comparative Morphological and Anatomical Studies of Cypselas of Some Members of the Tribe Millerieae (Asteraceae), Jana, Bidyut Kumar and Mukherjee, S. K., 2012, National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies. Organizized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India, 41.

- 234. A Contribution to the Fern Flora of Howrah District in West Bengal, India, Bandyopadhyay, S. and Mukherjee, S. K. 2012, National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies .Organized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India, 38
- 235. Morphological Variation of Trichomes in Some Common Species of Asteraceae, Saha, Lipika and Mukherjee, S. K. 2012, National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies. Organized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India, 36.
- 236. Petal Venation of Standard in *Desmodium triflorum* (L.) DC. (Papilionaceae), Biswas, Subrata, Roy, Bablu and Mukherjee, S. K., 2012, National Conference on Recent Trends in Plant Diversity Study and Conservation. Organized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India, 53.
- 237. Comparative Study of Petal Venation of *Brassica camprestris* L. and *Brassica nigra* Koch. Saha ,Subhayu, Das, Puspen and Mukherjee, S. K., 2012, National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies on 29 30th September, 2012. Organized by Department of Botany, Nagaland University, Hqs : Lumami 798 627, Nagaland, India,55.
- 238. Ethnobotanical Euphony in Some Pteridophytic Flora of North Bengal, West Bengal, India, Sunit Mitra and Mukherjee, S. K., 2012, National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies. Organized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India, 65 -66.
- 239. Wild edible plants of Rayagada district, Odisha, India. 37th Annual Conference & P. Parija Memorial, Baul, A., Mukherjee. S. K. and Dhal, N.K., 2012, National Conference on Recent Advances in Plant Biotechnology. Organized by Department of Botany, Ravenshaw University, Cuttack, India, 61.
- 240. Indigenous agro- biodiversity of Rayagada district, Odisha, India. 37th Annual Conference & P. Parija Memorial, Baul, A., Mukherjee. S. K., Singh, N.R. and Dhal, N.K., 2012, National Conference on Recent Advances in Plant Biotechnology. Organized by Department of Botany, Ravenshaw University, Cuttack, India, 52.
- 241. A Census of Wild Edible and Medicinal Plants from Howrah district, West Bengal, India, Bandyopadhyay, S. Haldar, D. and Mukherjee. S. K., 2012, UGC Sponsored National Seminar on "Plant Science Research in Human Welfare, Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of India, 28.
- 242. Some less known alien species of West Bengal in human healthcare, Mitra, S. and Mukherjee, S.K., 2012, UGC Sponsored National Seminar on "Plant Science Research in Human Welfare". Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of India, 30.
- 243. "Taxonomic study of the Indian members of the subtribes Andrograhideae, Barlerieae and Asystasieae of tribe Justiceae sensu Benth,. & Hook.f. (Acanthaceae)": Tinku Ghosh & S.K.Mukherjee- Joint Guidance, 2012
- 244. "Numerical analysis of micromorphological and anatomical features of cypselas of some members of Asteraceae" –Single Guidance, Tulika Talukdar,2012
- 245. Antimicrobial activity of *Spillanthes acmella* Murr S.N. Sinha and M. Biswas, 2010, Root extract. J. Interacad, 14(3),289-292 (ISSN: 0911-9016)
- 246. Screening of various solvent extracts of *Gymnema sylvestre* R. Br. Leaf for antibacterial activity, S.N. Sinha, G.C. Saha and M. Biswas, 2010, Adv. in Bioresearch, 1(2),25-28, (ISSN: 0976-4585)

- 247. Analysis of physicochemical characteristics to study the water quality of a lake in Kalyani, West Bengal, S.N. Sinha and M. Biswas, 2011, Asian J. Exp. Biol. Sci, 2 (1), 18-22, (ISSN: 0975-5845)
- Effect of extracts from Asparagus racemosus Wild. Root against pathogenic bacteria, S.N. Sinha and M. Biswas, 2011, Int. J. Appl. Biol. Pharm. Technol, 2, 312-314. ISSN: 0976-4550, IF: 0.980
- 249. Evaluation of antibacterial activity of some lichen from Ravangla, Sikkim, India, S.N. Sinha and M. Biswas, 2011, Int. J. Pharma Biol. Sci., 2 (4),23-28, ISSN: 0975-6299, IF: 2.958)
- 250. Biodegradation potential of bacterial isolates from tannery effluent with special reference to hexavalent chromium, S.N. Sinha, M. Biswas, D. Paul and S. Rahaman 2011, Biotechnol. Bioinf. Bioeng, 1 (3), 381-386, ISSN: 2249-9075
- 251. Bioprospecting of Jatropha species for phytochemicals and antimicrobial activity. S.N.Sinha and S. Mandal, 2010, Proceedings of National Conference on Bioprospecting: Access for sustainable development. Full paper. Organized by Department of Applied Mechanics (Biotechnology). MNNIT, Allahabad.
- 252. Diversity and distribution of sulfur bacteria in riverine ecosystem, S.N. Sinha. 2011, Proceedings of the National Seminar on Recent Advances in Plant Sciences. Organised by Department of Botany, RBC College, Naihati, West Bengal. Full Paper In Press.
- 253. Bioprospecting of Jatropha species for phytochemicals and antimicrobial activity, S.N. Sinha,2010, National Conference on Bioprospecting: Access for sustainable development. MNNIT, Allahabad.
- 254. Poly beta hydroxyl alkanoate production by some sewage bacterial isolates, , S.N. Sinha,2011, National Seminar on '*Plant Diversity: Aspects and Prospects*', organized by Department of Botany and Forestry, Vidyasagar University, Midnapore- 721102. Sponsored by UGC.
- 255. Biodegradation of sewage water by autochthonous microbial consortia, S.N.Sinha, 2010 51st Annual Conference of AMI, Ranchi
- 256. Plant growth promoting rhizobacteria enhance growth and yield of chilli (*Capsicum annuum*) under field conditions, Datta M., Palit R., Pandit M. K. and Banerjee S. and Sengupta C. (2011, *Australian J. Crop Sci*, 5(5),531-536, ISSN 1835-2693
- 257. Standarization of inoculum for mass multiplication of *Trichoderma*, Datta P, Dasgupta B and Sengupta C, 2011, *J. Mycopathol*, 49(1), 187-189, ISSN 0971-3719
- 258. Extension of Shelf Life of Pointed Gourd Fruits by a novel approach using PGPR, Sen K. and Sengupta C, 2011, *Asian J. Exp. Biol. Sci.*, 2(3), 422-428, ISSN 0975-5845
- 259. Post harvest preservation of pointed gourd fruit with PGPR to ensure food safety, Sen K., Sengupta C., 2011, Int. J. Food Safety, 13, 69-76, ISSN: 1479-3911
- Pollution influenced mycofloral load residing on the phyllosphere of Birbhum district of West Bengal, Sen K., Sengupta C., Sen S. K., 2011, J. Mycopathol. 49(2), 279-284, ISSN 0971-3719
- 261. Potential of Glomus fasciculatum in enhancing growth and development of Catharanthus roseus, Biswas R., Sengupta C. and Chakraborty M. R ,2011,UGC Sponsored National Seminar on Exploitation of Biofertilizers and Biopesticides for sustainable Development of Modern Agriculture. Abst., 35.
- 262. Comparative study on chemical and organic nutrient management of rice during Kharif season in Nadia district of West Bengal, Paul A., Sengupta C., Kabi M. C., Mazumder D., Ghosh M., 2011, International Symposium on System intensification towards Food and Environment, Crop Weed Sci. Soc, BCKV, Kalyani,

- 263. Thesis title: Studies on some aspects of taxonomy and ecology of fresh water algae of Hooghly district, West Bengal. Name of the student: Mr. Ram Krishna Saha
- 264. Thesis title: Isolation characterization of phosphate solubilising bacteria from Brinja rhizopheric soil and their exploitation for crop improvement. Name of the student: Mr. Pratik Roy
- 265. Aluminum induced oxidative stress and its modulation by exogenous polyamine in *Salvinia natans* L., Mandal C., Das K., Ghosh N., Maiti S., Gupta Sudha, Dey N., Adak M. K., 2012, J. Botan. Soc. Bengal, 66(1),37-43
- 266. Antioxidative responses of *Salvinia (Salvinia natans* Linn) to aluminum stress and its modulation by polyamine, Mandal C., Ghosh N., Maiti S., Das K., Gupta Sudha, Dey N., Adak M. K. ,2012,Physiol. Mol. Bio. Plants, (Doi 10.1007/S12298-012-0144-4)
- 267. Gradational physiognomic adaptations related to ecological variations in the mangrove plant *Acanthus ilicifolius* Linn, Sudha Gupta, Sutapa Dutta, Mithun Biswas& Manju Banerjee, 2011

DEPARTMENT OF CHEMISTRY

- 268. Heterocycles in Natural Product Synthesis: and K. C. Majumdar, Eds. Shital K. Chattopadhyay and K. C. Majumdar John Wiley & Sons, 2011, ISBN: 978-3-527-32706.
- 269. Chirality in Biological Nanospaces: Reactions in Active Sites (Monograph) Nilashis Nandi, CRC Press, Taylor and Francis Group, USA. Print ISBN: 978-1-4398-4002-3, eBook ISBN: 978-1-4398-4003-0, DOI: 10.1201/b11010-1
- 270. Inorganica Chimica Acta, S. Mukherjee, S Chowdhury, A. P. Chattopadhyay and A. Bhattacharyya, 2011, 373, 40-46
- 271. Physicochem. Eng. Aspects, H. K. Mandal, T. Majumdar, A. Mahapatra, Colloids and Surfaces A, 2011, 380, 300–307.
- 272. International Journal of Chemical Kinetics, H. K. Mandal, T. Majumdar, A. Mahapatra, 2011, 43, 579-589.
- 273. Org. Lett., N. Saha, T. Biswas and S. K. Chattopadhyay, 2011, 13, 5128.
- 274. Synthesis, Shital K. Chattopadhyay, S. P. Ray and T. Saha, 2011, 2664.
- 275. Tetrahedron Letters, Shital K. Chattopadhyay and A. Bandyopadhyay, 2011, 52, 3942
- 276. Supramolecular Chem., Ghosh. K.; Sarkar, A. R., 2011, 23, 365.
- 277. J. Inclusion phenomena and macrocyclic chemistry, Ghosh. K.; Saha, I, 2011, 70, 97.
- 278. A. Mini-reviews in Organic Chemistry, Ghosh. K.; Saha, I.; Frohlich, R.; Patra, 2011, 8, 31-37 (special issue on anion recognition).
- 279. Supramolecular Chem., Ghosh, K.; Sarkar, T ,2011, 23, 435.
- 280. Supramolecular Chem., Ghosh, K.; Sarkar, A. R ,2011, 23, 539.
- 281. Supramolecular Chem., Ghosh. K.; Saha, I., 2011, 23, 518.
- 282. Beilstein J. Org. Chem. , Ghosh. K.; Kar, D. , 2011, 7, 254
- 283. J. Inclusion phenomena and macrocyclic chemistry, Ghosh. K.; Sarkar, T, 2011, 71, 243.
- 284. New J. Chem, Ghosh, K.; Saha, I, 2011, 35, 1397.
- 285. Org. Biomol. Chem., Ghosh, K.; Sarkar A. R, 2011, 9, 6551.
- 286. P. Tetrahedron Lett., Ghosh, K.; Kar, D.; Ray Chowdhury, 2011, 52, 5098.

287.	theodorakopoulos, G,	J. Mol.	Structure,	Ghosh,	K.;	Adhikari,	S.;	Frohlich,	R.;	Petsalakis,	I.
	D, 2011, 1004, 193.										

- 288. Phys. Chem. B., Ghosh, K.; Sen, T.; Patra, A.; Mancini, J.; Cook, J. M.; Parish, C. A. J. 2011, 115, 859
- 289. Carbohydrate Research, 2011, In Press.
- 290. Carbohydrate Research, Manindranath Bera, Ayan Patra, 2011, 346, 733-738.
- 291. Applied Surface Science, Kaushik Pal, Uday Narayan Maiti, Tapas Pal Majumder, Subhas Chandra Debnath, 2011, 258, Pages 163-168
- 292. Inorg. Chem., Robert A. Geiger, Domenick F. Leto, Swarup Chattopadhyay, Pierre Dorlet, ElodieAnxolabhre- Mallart, and Timothy A. Jackson ,2011, 50, 10190
- 293. Chem. Soc., Dalton Trans., Robert A. Geiger, Swarup Chattopadhyay, Victor W. Day and Timothy A. Jackson, J., 2011, 40, 1707.
- 294. Phys. Chem. C, Brian Vicente, Ryan Nelson, Anthony Moses, Swarup Chattopadhyay and Susannah Scott, 2011, accepted
- 295. Indian journal of Chemistry, B. Roy and Rajendra Narayan De, 2011, 50B, 1513-1518
- 296. J Photochem. Photobiol. A., S. De, R. Kundu, 2011, 223 71.
- 297. Phys. Chem. Chem. Phys, (Perspective Article), D. Vollhardt, N. Nandi and S. Dutta Banik, 2011, 13, 4812
- 298. J. Indian Chem. Soc., S. Dutta Banik, N. Nandi, 2011, 88, 1687-1695.
- 299. Biophysical Chemistry, S. Dutta Banik, N. Nandi, 2011, 158, 61–72.
- 300. J. Biophy. Chem., Roy, S., Mahali. K. and Dolui, B.K, 2011, 3, 185-193.
- 301. Chem. Phys. Lett., S. K. Seth, N. C. Saha, S. Ghosh, T. Kar, 2011,506, 309
- Monatsch. Chem., K. C. Majumdar, Nirupam De, Biswajit Sinha, B. Roy, 2011, 143, 1067-1073
- 303. Synthesis, K. C. Majumdar, I. Ansary, B. Sinha, B. Roy, B Sridhar, 2011, 3287-3296
- 304. Synthesis, K. C. Majumdar, I. Ansary, R. N. De, B. Roy, 2011, 2951-2958.
- 305. Mol. Cryst. Liq. Cryst., K. C. Majumdar, N. De, B. Roy, A. Bhowmik , 2011, 348, 164-171.
- 306. Synthesis, K. C. Majumdar, S. Ponra, S. Hazra, B. Roy, 2011, 1489 -1493.
- 307. Synth. Commun, Nemai C. Ganguly, Pallab Mondal, 2011, 41, 2374-2384.
- 308. J. Indian Chem. Soc., Nemai C. Ganguly, Subhasis Nayek, Sujoy Kumar Barik, 2011, 88, 251-256.

DEPARTMENT OF ENVIRONMENTAL SCIENCE

- 309. Synthesis, catalytic oxidation and antimicrobial activity of copper (II) shiff base complex. S.M.Islam, Anupam Singha Roy, Paramita Mondal, Dildar Hossain, Satabdi Banerjee, and S.C.Santra, 2011, Journal of Molecular catalysis A: Chemical, 336, 106-114, (I.F. 3.319)
- 310. Greenhouse gas emissions from rice based cropping systems: Economic and technologic challenges and opportunities. A. Datta, K.S.Rao, S.C.Santra, T.K. Mandal and T.K. Adhya, 2011, Mitig. Adapt Strateg Glob Change, 16(5), 597-615, ISSN: 1381-2386 (Print) 1573-1596 (Online), (I.F. 1.234)

- 311. In vitro studies on mercury(II) bioremediation by isolated Streptococcus sp. In industrial wastewater model. S. Bhattacharyya, S. Dutta and S.C.Santra, 2011, In Studies on Pollution Mitigation, 1, Ed S.P.Goutam, CPCB, New Delhi. 391 403.
- 312. Assessment of potential public health hazard of wastewater use in agriculture. N. Gupta, D. K. Khan and S. C. Santra, 2011, In Studies on Pollution Mitigation, 1, Ed S.P.Goutam, CPCB, New Delhi. ,557 570.
- 313. Characterization and oil recovery from oil refinery sludge. P. Chaudhuri, and S.C.Santra. 2011, In Studies on Pollution Mitigation, 2, Ed S.P.Goutam, CPCB, New Delhi, 777 790.
- 314. The potential for reductive mobilization of arsenic [As(V) to As (III)] by OSBH2 (Pseudomonas stutzeri) and OSBH5 (Bacillus cereus) in an oil contaminated site. Jyoti Prakash Maity, Sandeep Kar, Jiann –Hong Liu, Jiin-Shuh Jean, Chien-Yen Chen, Jochen Bundschuh, Subhas Chandra Santra, and Chia –Chuan Liu. 2011, Journal of Environmental Science and Health, Part A, 46(11), 1239-1246. (I.F. 1.19)
- 315. Human exposure to arsenic through foodstuffs cultivated using arsenic contaminated groundwater in areas of West Bengal, India. Alok C. Samal, Sandeep Kar, Piyal Bhattacharya, and Subhas C. Santra, 2011, Journal of Environmental Science and Health, Part A, 46(11), 1259-1265. I.F. (1.19)
- 316. Potential arsenic enrichment problems of Rice and vegetable crops. Anirban Biswas, Jayjit Majumdar, Subhas Chandra Santra, 2011. International Journal Res. Chem. Environment, 1(1) ,29-34 (I.F. 0.379)
- 317. Influence of limnology on temporal changes in species diversity of aquatic vegetation in two tropical ponds (Kolkata, India). G. Mukhopadhyay, S. C. Santra and A. Dewanji, 2011, Acta Botanica Hungarica, 53 (3-4), 347-369 (I.F. 0.03)
- 318. Relationship between CH4 and N2O flux from soil and their ambient mixing ratio in a riparian rice-based agroecosystem of tropical region, A. Dutta, S. C. Santra and T. K. Adhya, 2011, Journal of Environmental Monitoring, 13, 3469-3474 (I.F. 0.82)
- 319. Influence of Brackish water aquaculture on soil salinisation. Mitra Rajarshi, Santra S.C. 2011, International Journal of Research in Chemistry and Environment, 1(2),166-168
- 320. Isolation and Characterization of Solid Waste Decomposing Bacteria A Screening Trial, Amrita Saha, S. C. Santra, 2011, Proceeding of the 2nd International Conference on Solid Waste Management, Kolkata. Oxford Publishing House, Kolkata. Sustainable Waste Management, 534-541.
- 321. Arsenic toxicity in four different varieties of rice (*Oryza sativa* L.) of West Bengal, India, Bhattacharya Piyal, Samal AC, Majumdar J., Banerjee S. and Santra SC, 2011, Proceedings of UGC sponsored national seminar on advances in environmental science and technology, Vivekananda College, Kolkata, 99-105
- 322. Low carbon economy-a cleaner option for sustainability, Subarna Bhattacharya, Punarbasu Chaudhuri and Subhas Chandra Santra. 2011, Everyman's Science, XLVI (3), 172-179. ISSN: 0531-495X OCLC:8447863
- 323. A study on accumulation of toxic ketals and bacteriological contamination in wastewater irrigated vegetable crops. N. Gupta, D. K. Khan and S. C. Santra, 2011, Proceedings of the Regional Workshop on Environmental Engineering (RWEE – 2008), Centre for Environmental Studies, Institute of Science, Visva-Bharati, Santiniketan, 35-44.
- 324. Heavy metals in Tilapia fish and potential risk assessment to human beings in the Hooghly Estuarine coastal areas of Sunderbans. Debargha Chakraborty and S. C. Santra. 2011, Proceedings of the 3rd International Conference on Ecotoxicology and Environmental Sciences (ICEES 2011), Institute of Ecotoxicology and Environmental Sciences, Purbachal, Salt Lake, Kolkata, 14-19.

- 325. A comprehensive study on arsenic hyper accumulation by selected ferns and arsenic induced biochemical changes, Jayjit Majumdar, Satabdi Banerjee, Anirudha Paul and S.C.Santra. 2011, Proceedings of the 3rd International Conference on Ecotoxicology and Environmental Sciences (ICEES 2011), Institute of Ecotoxicology and Environmental Sciences, Purbachal, Salt Lake, Kolkata, 20-30.
- 326. Methodology to classify rice cultural types based on water regimes using multi-temporal RADARSAT-1 data. Indrani Choudhury, Manab Chakraborty, Subhas Chandra Santra and Jai Singh Parihar, 2012, International Journal of Remote Sensing, 33(13), 4135-4160 (I.F. 1.10)
- 327. Arsenic in Relation to Protein Content of Rice and Vegetables, Anirban Biswas, Alok Chandra Samal and Subhas Chandra Santra, 2012, Research Journal of Agricultural Sciences, 3(1), 080-083. ISSN(Print), 2250-0057 (I. F. 0.17)
- 328. Different Land Use and other Physical and Socio-economic Parameters in Ground Water Arsenic Concentration, Merina Ghosh, Dilip Kumar Pal and Subhas Chandra Santra, 2012, International Journal of Science & Emerging Technologies, 3(4), 89-101, ISSN: 2250 3641(Online) (I.F. 0.5)
- 329. Changing bioresource status in climate change regime, S. C. Santra, 2012, In Global warming and climate change, Joshi, B.D. Pandey G.C. and Joshi Namita (Ed.). APH Publishing Corporation, New Delhi, 25-33.
- 330. Arsenic-induced health crisis in peri-urban Moyna and Ardebok villages, West Bengal, India: an exposure assessment study, Jyoti Prakash Maity, Bibhash Nath, Sandeep Kar, Chien-Yen Chen, Satabdi Banerjee, Jiin-Shuh Jean, Ming-Yie Liu, Jose A.Centeno, Prosun Bhattacharya, Christina L. Chang, and Subhas Chandra Santra, 2012, Environ. Geochem Health, 34(5),563-74, (I. F. 1.62)
- 331. Seasonal variation of methane flux from coastal saline rice field with the application of different organic manures, A. Datta, Jagadeesh B., Yeluripati, D.R. Nayak, K.R. Mahata, S.C. Santra, T.K. Adhya, 2012, Atmospheric Environment, 66, 114-122. (I.F. 3.465)
- 332. In vitro assessment on the impact of soil arsenic in the eight rice varieties of West Bengal, India, Piyal Bhattacharya, Alok C. Samal, Jayjit Majumdar, Satabdi Banerjee and Subhas C. Santra. 2012, Journal of Hazardous Materials, http://dx.doi.org/10.1016/j.jhazmat. ISSN: 0304-3894. (I.F. 4.173)
- 333. Heavy metal accumulation in vegetables grown in a long-term wastewater-irrigated agricultural land of tropical India, N. Gupta, D. K. Khan, and S. C. Santra, 2012, Environment Monitoring and Assessment, 184(11), 6673-6682, ISSN: 0167-6369 (Print) 1573-2959 (Online). (I.F. 1.4)
- 334. Bioprospecting, biopiracy and intellectual property right of biological resources in India, S. C. Santra, 2012, Proceedings of the National level conference on biodiversity: Threats and Conservation through Traditional and Biotechnological Approaches. Eds Saha, Ghosh, Gangopadhyay, Saha, Singh, Sarer & Das. Biodiversity Conservation: Fundamentals and Applications, 75-81, ISBN: 978-93-80663-57-9
- 335. Physiological and chemical response of the lichen, *Flavoparmelia caperata* (L.) Hale, to the urban environment of Kolkata, India. S.Majumder, D.Mishra, S.S.Ram, N.K.Jana, S.Santra, M.Sudarshan, A. Chakraborty, 2012, Environ Sci Pollut Res, DOI 10.1007/s11356-012-1224-2. (I.F. 2.651)
- 336. Microbial Biodiversity and its adaptation to climate change, Subhas Chandra Santra. 2012, Global Climate Security Perceptions, Challenges and Beyond (Eds. A Mukhopadhyay and S. Ghosh) 153-162, 0 ASC and Department of Environmental Science, Calcutta University.

- 338. Effect of automobile exhausted lead on blood and different physiological parameters of goat(Capra hicus)grazed around the highway, 2011, Das PK, Das D, Sanyal S, Ghosh PR, Batabyal S, Majumder D, Das K and Pandyan GDV, *Indian Journal of Aanimal Health*,50(2),21-25 ISSN:0019-5057
- 339. Drainage and lineament analysis towards artificial recharge of groundwater, Debashis Das, 2011 in Advances in the research of aquatic environment (Proceed.of 9thIntl congress of hydrogeol and 4th MEM workshop on fissured rocks hydrology: organized by Hellenic committee of hydrogeology etc Lambrakis N.et al eds) in Environmental Earth Sciences Series(James W.LaMoreaux ed.). Springer-Verlag Berlin Heidelberg 2011 Publication 2, 37-44. ISBN 978-3-642-24075-1, e-ISBN 978-3-642-24076-8
- 340. Climate change and its impact on cattle community, D.Das &U.Roy,2011, In: Scientific Resources Vol.of XX annual conference of SAPI(Soc.for Anim.Physiologists of India) and Intl.Symposium(Invited lecture,presented by D.Das) 118-121, WBUAFS,Kolkata-700037,India
- 341. Role of Spatial Technologies in Groundwater Resource Augmentation: An overview, Debashis Das,2012,Gurgaon,India.Lead Natural Resourceshttp://indiageospatialforum.org/2012/proceedings/ppt/DDas.pdf , 1-12
- 342. Assessment of working postures and associated health status of construction workers by R. Bhattacharya and G. Biswas, 2011, *Science and Culture*, 77, 52 57, ISSN 0036-8156
- 343. Application of magnetic field on the early growth of *cicer arietitum* seeds by R. Bhattacharya and P. Barman, 2011, *Int. J. Phys.*, 4, 1-10, ISSN 0976-4402
- 344. Potential of Transient luminous events associated with thunderstorm by R. Bhattacharya and A. Bhattacharya, 2011 *Int. J. Phys.*, 4, 11-20, ISSN 0976-4402
- 345. Stability parameters and their skill to forecast thunderstorm by R. Bhattacharya and A. Bhattacharya, 2011, *Int. J. Phys.*, ISSN 0976-4402
- 346. Implementation of Fast Fourier Transform for detecting solar bursts by A.B. Bhattacharya, R. Bhattacharya, S.Das, D. Halder, A. Sarkar, A. Bhoumick, T. Das, M. Debnath, 2011, *Research J. Earth and Planetary Sciences*, 1, 9-18
- 347. Studies on the response of house sparrows to artificial nest by R. Bhattacharya, R. Roy and C. Goswami,2011, *Int. J. Env. Sc.*, 1(7), 1574-1581, ISSN 0976-4402 Impact 4.69
- 348. Tree modulation of ground reaching solar ultraviolet radiation: role of canopy parameters by R. Bhattacharya, A. Bhoumick, A.K. Brahma and R. Das, 2011, *Int. J. Phys.*, 4, 89-99, ISSN 0976-4402
- 349. Features of diurnal anisotropy in cosmic ray intensity during descending phase of solar cycle 23 by R. Bhattacharya, M. Biswas, P. Barman and M. Roy, 2011 Ind. J. Reg. Sc, 43, 110 – 118, ISSN 0046-9017
- 350. Premonsoon climate and rainfall activity over West Bengal: a survey by R. Bhattacharya, A. Bhattacharya, R. Das, S. Pal and P. Mali, 2011, *Int. J. Phys.*, 4, 141-148, ISSN 0976-4402
- 351. Satellite and Ground based measurements of Column Ozone over three Indian stations by R. Bhattacharya, A. Bhoumick and A. B. Bhattacharya,2012, *International Journal of Engineering Science and Technology*, 4, 1161-1167, ISSN 0975-5462 Impact 3.14
- 352. Trend analysis of total column Ozone over India using TOMS data from 1979 to 2010 by R. Bhattacharya and A. Bhoumick, 2012, *International Journal of Engineering Science and Technology*, 4, 2159-2166, ISSN 0975-5462 Impact 3.14

- 353. Measurement of surface solar Ultraviolet radiation at tropical coastal station Bakkhali in West Bengal, India by R. Bhattacharya and A. Bhoumick, 2012, *International Journal of Engineering Science and Technology*, 4, 3824-3832, ISSN 0975-5462 Impact 3.14
- 354. A survey on ultraviolet radiation and ozone research by R. Bhattacharya, S. Pal, A. Bhoumick and S. Karmakar, 2012, *International Journal of Engineering Science and Technology*, 4, 4209-4216, ISSN 0975-5462 Impact 3.14
- 355. An estimation of heat stress in tropics by R. Bhattacharya, S. Pal, G. Biswas, S. Karmakar and R. Banik, 2012, *Int. J. Eng. Sci. Tech.*, 4, 4302-4307, ISSN 0975-5462 Impact 3.14
- 356. Annual variability and distribution of ultraviolet index over India using TEMIS Data by R. Bhattacharya, S. Pal, A. Bhoumick and P. Barman,2012, *Int. J. Eng. Sci. Tech.*, 4(11), 4577-4583, ISSN 0975-5462 Impact 3.14
- 357. Potential of malaria transmission windows in an urban and rural areas of West Bengal, India by R. Bhattacharya, R. Banik, P. Barman, G. Biswas and A. Bhattacharya, 2012, *Int J. Pharma. Res. Bio-Sci.*, 1(6), 382-396, ISSN 2277-8713
- 358. A journey through malaria research by R. Bhattacharya, P. K. Bandhyapadyay, R. Banik, G. Biswas and P. Barman, 2012, *Int. J. Env. Sci.*, 3(2), 47-54, ISSN: 2229-7356
- 359. Severe storms and associated SST anomalies over Bay of Bengal using NCEP Modelling by R. Bhattacharya, R.Guha and P.Mali, 2011, Proc.E2NC – 2011, 193-196, Published by Cygnus, ISSN 978-93-80813-04-2
- Influence of Electric and Magnetic field on cicer arietitum growing by R. Bhattacharya, P. Barman and P.Mali, 2011, Proc.E2NC 2011, 213-216, Published by Cygnus, ISSN 978-93-80813-04-2
- 361. Thermodynamical characteristics of transient luminous events associated with thunderstorms by R. Bhattacharya, P. Barman and P.Mali, 2011, Proc.E2NC – 2011, 220-223, Published by Cygnus, ISSN 978-93-80813-04-2
- 362. Exposure to Communication Systems: A Case Study by R. Bhattacharya, P. Barman, G. Biswas and S. Biswas, 2011, Proc. Conference on Laser, Materials science and communication (ICLMSC-2011), Burdwan University, 265-267, SBS Publication, ISBN 978-93-80813-14-1
- 363. Changes in 106.2 MHz Radio Signal and Atmospheric measurements during Annular Solar Eclipse January 15, 2010 by R. Bhattacharya, A. Bhoumick and A. Bhattacharya, 2011, Proc. Conference on Laser, Materials science and communication (ICLMSC-2011), Burdwan University, SBS Publication, ISBN 978-93-80813-14-1
- Effect of Low dose Beta Particles on the Characteristics of Kidney bean (*Phaseolus vulgaris*),
 R. Bhattacharya, M. Roy and C. Mukherjee, 2012, Proc. International Conference on Engineering Education in the new Century (E2NC-2012), 135-137, ISBN 978-93-80663-35-7
- 365. Distribution of Ground Reaching Global and Diffuse Solar Radiation over Kalyani, West Bengal, R. Bhattacharya, G. Biswas, S. Pal, P. Barman and S. Das, 2012, Proc. International Conference on Engineering Education in the new Century (E2NC) 132-134, ISBN 978-93-80663-35-7
- Influence of Solar activity on Cosmic Ray Anisotropic Events, R. Bhattacharya, P. Barman, M. Biswas and M. Roy, 2012, Proc. International Conference on Engineering Education in the new Century (E2NC-2012), 138-140, ISBN 978-93-80663-35-7
- 367. Characteristics of Diurnal Vectors of Cosmic Ray Wave Train at ending phase of 23rd solar cycle, R. Bhattacharya, P. Barman, M. Biswas and M. Roy, 2012, Proc. National Conference on Materials, Devices and Circuits in Communication Technology 36-39, ISBN 978-93-80663-36-4

368.

- A.Bhoumick, R. Bhattacharya and A.B. Bhattacharya,2012, Proc. National Conference on Materials, Devices and Circuits in Communication Technology, 43-46, ISBN 978-93-80663-364
- Innocuous Devices and Environmental Stress: A Survey, R. Bhattacharya and P. Barman,2012, Proc. National Conference on Materials, Devices and Circuits in Communication Technology, 40-42, ISBN 978-93-80663-36-4
- 370. Some aspects of ground reaching solar ultraviolet radiation under trees, R. Bhattacharya and A. Bhoumick, 2012, *17th National Space Science Symposium*, ISBN 978-93-81899-01-4
- 371. Trend of total column ozone over selected Indian stations, A. Bhoumick, R. Bhattacharya and A. B. Bhattacharya,2012, *17th National Space Science Symposium*, ISBN 978-93-81899-01-4
- 372. Climatologies of solar radiation budgets over Kalyani, West Bengal, G. Biswas and R. Bhattacharya, 2012, *17th National Space Science Symposium*, 179, ISBN 978-93-81899-01-4
- 373. Selective Extraction of Palladium(II) using Hydrazone Ligand: A Novel Fluorescent Sensor; Soma Mukherjee, S. Chowdhury, A. K. Paul and R. Banerjee, 2011, *Journal of Luminescence*, 131, 2342.[Impact Factor: 2.144, Cited by 11 (Scopus)]
- 374. Spectroscopic, cytotoxic and DFT studies of a luminescent palladium(II) complex of a hydrazone ligand that induces apoptosis in human prostate cancer cells;Soma Mukherjee, S. Chowdhury, A. P. Chattapadhyay, A. Bhattacharya, 2011, *Inorg, Chim. Acta.* 373, 40. [Impact Factor: 1.687, Cited by 08 (Scopus)]

DEPARTMENT OF GEOGRAPHY

- 375. "Sutan Ecopark: A study on its decline and appraisal towards its rejuvenation."-P.Chakraborty, 2011, Wesleyan Journal of Research,4,(1), (ISSN-0975-1386)
- 376. "Historical Geography of Ganga Delta: Some aspects."- P.Chakraborty, 2011, Indian Journal of Landscape Systems & Ecological Studies, 34(1),(ISSN 0971-4170)
- 377. "Tourism and Sustainability: A case study in Alipurduar Circuit, West Bengal." -P.Chakraborty, 2011,Indian Journal of Regional Science, 43(2), (ISSN 0046-9071)
- 378. "Tourism forecasting and carrying capacity analysis: a case study in Puducherry, India."-P.Chakraborty, Journal of Interacademicia, Journal of Interacademicia, 15(4), ISSN 0971-9016
- 379. Proceedings in UGC sponsored State Level seminar at D. L. Roy College, Krishnagar, published in book form with paper entitled, P.Chakraborty, 2011 "Biodiversity and Ecotourism Management"
- 380. Entitled "Tourism and Development" P.Chakraborty, in a special volume published by Bankura Christian college, Organiser of the National seminar.
- 381. National Seminar on "Challenges and mitigation of Drought in India" held at Kashipur M. M. Mahavidalaya, Purulia ,2011 P.Chakraborty ,2011"Drought: A Slow Onset Disaster".
- 382. ABSTRACT: 33rd INDIAN GEOGRAPHY CONGRESS at Department of Geography, University of Burdwan, Burdwan ,P.Chakraborty, 2011 "Geography of Peace".
- 383. UGC-Sponsored National Seminar on "Emerging Trends In Geography" held at Department of Geography, Bankura Christian College, P.Chakraborty, "Tourism And Development".
- 384. National Seminar on "Geography of Today: Problems and prospects" Anthropological Survey of India, Kolkata, P.Chakraborty "Auroville : An expression of humanity on space".

2015

- 385. International Seminar on Dimensions of Development, Department of Geography, University of Calcutta – P.Chakraborty "Infrastructure and Ecotourism development- a case study in Bankura District".
- 386. Delivered a lecture on "Ethno tourism in Toto Para: A Blessing or a Blight" P.Chakraborty,2011, in UGC-Sponsored State Level Seminar on "Environmental Degradation And Strategies For Conservation & Management" held at Krishnagar Government College, Nadia
- 387. Delivered a lecture on "Infant Mortality & Population Dynamics" in UGC-Sponsored State Level Seminar on P.Chakraborty, 2011, 'Infant Mortality in 21st Century with a Special Focus on West Bengal' held at Srikrishna College, Bagula, Nadia.
- 388. "REGIONAL CONCENTRATION AND PRODUCTIVITY OF BETEL VINE IN WEST BENGAL', T.K. Mandal, 2011, Indian Journal of Landscape Systems and Ecological Studies, Kolkata, West Bengal, India, 34(2), 767-772 ISSN: 0971-4170,
- 389. 'GENDER DISPARITY IN LITERACY OF RURAL POPULATION IN WEST BENGAL, INDIA', T.K.Mandal, 2011, 33rd Indian Geography Congress, Organised by the National Association of Geographers, India (NAGI), at Department of Geography, The University of Burdwan, Barddhaman, West Bengal, India
- 390. 'LAND ACQUISITION ISSUES IN WEST BENGAL: CHALLENGES AND OPTIONS'-T.K.Mandal, 2012, UGC Sponsored National Seminar on Resource Assessment, Sharing and Environment Management, Organised by the Department of Geography and Environment Management, Vidyasagar University, Midnapore, Paschim Medinipur, West Bengal, India
- 391. 'JOINT FOREST MANAGEMENT: A STUDY OF WEST BENGAL IN INDIA'-T.K.Mandal, 2011, International Forestry & Environmental Symposium, Organized by the Department of Forestry & Environmental Science, University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka.
- 392. 'IMPACT OF IRRIGATION AND CHEMICAL FERTILIZERS ON RICE PRODUCTIVITY IN WEST BENGAL' T.K.Mandal, 2012, 33rd Annual Conference of The Institute Of Indian Geographers' (IIG) & International Seminar on Population, Development & Disaster Management, Organized by the Department of Geography & Disaster Management, Tripura University, Tripura, India.
- 393. 'JUTE PRODUCTIVITY IN WEST BENGAL: A DISTRICT LEVEL ANALYSIS', T.K.Mandal, 2012, International Conference on Dimensions of Development and Resource Conservation, Organised by the Department of Geography, University of Calcutta, Kolkata, West Bengal, India.
- 394. Embankment System and Sustainable Development in the Moyna Flood Basin' Abhay Sankar Sahu ,2012, in the 'MS Academic' An International Multidisciplinary Journal, 'Council for MS Academic', Kalyani, West Bengal, India, Volume-2(1), 85-93, ISSN 2229-6484
- 395. 'Historical Environment and Present Implications of Riverine Dykes --- A Case Study in Hugli Estuarine Coast of Purba Medinipur District, W.B.' in the Abhay Sankar Sahu ,2012 'Transactions', of the Institute of Indian Geographers (IIG), Pune, India), 34(1), 117-125, ISSN 0970-9851
- 396. 'Concept of CPR and Embankment' presented in a National Seminar, organised by Indian Geographical Foundation (IGF) in collaboration with Anthropological Survey of India, Ministry of Culture, Kolkata on the Abhay Sankar Sahu ,2012 'Geography of Today : Problems and Prospects', venue Anthropological Survey of India, Eastern Regional Centre, Salt Lake, Kolkata700091, W.B., India
- 397. 'A Study on Salt Manufacturing Environment with Special Reference to Contemporary Condition and Importance of Saltpans Toward Economic Growth of the Coastal Areas in

Purba Medinipur' presented in 32nd Annual Conference of Bangiya Arthaniti Parishad (Bengal Economic Association), organised by UGC and Bengal Economic Association, Kolkata, on the **Abhay Sankar Sahu**, **2012** 'Industrialisation in West Bengal', venue Maulana Azad College, 8, Rafi Ahmed Kidwai Road, Kolkata-700013, W.B.

- 398. 'Significance of Coastal Structures and Their Protective Measures from the Perspective of Climate Change and Sea Level Rising' presented in a UGC sponsored National Seminar, organised by Panchakot Mahavidyalaya, Sarbari, Neturia, Purulia, W.B., on the Abhay Sankar Sahu ,2011, 'Climate Change and Backward Areas: Doings and Well-beings', venue Panchakot Mahavidyalaya,
- 399. 'Embankment: A Common Property Resource A Case Study in Moyna Flood Basin' presented in 33rd Indian Geography Congress, organised by National Association of Geographers India (NAGI), Delhi, on the Abhay Sankar Sahu ,2012 'Resources and Development', venue Dept. of Geography, The University of Burdwan, Barddhaman, W. B., India.
- 400. 'Place, Time and Phenomenon significance of Embankments' presented in an International Conference, organised by Dept. of Geography, The University of Calcutta, on the **Abhay Sankar Sahu**, **2012**, 'Dimensions of Development and Resource Conservation', venue Dept. of Geography, The University of Calcutta, Kolkata-700019, W.B.
- 401. 'Bandth Tantra-er Sakti Budget Ebong Nadi-Bandher Prajuktigata Gathan Koushal' presented in 19th West Bengal Science & Technology Congress 2012, organised by Saha Institute of Nuclear Physics, Kolkata, and W.B. Science and Technology Department, Government of W.B., on the Abhay Sankar Sahu, 2012 'Ecology and Public Health', venue Saha Institute of Nuclear Physics, Kolkata, W.B.

DEPARTMENT OF MATHEMATICS

- 402. Text books on Numerical Analysis, **Dulal Chandra Sanyal** Linear Programming, Hydrostatics for P.G., U.G., Engineering (B.Tech & M.Tech).
- 403. International Jour. Comp , **Dulal Chandra Sanyal**, 2011 Int. & Health Care Information. 4(1,) 35-39, 51-55, ISSN No. 0973-7413
- 404. Entire functions sharing one value with linear differential polynomials, I. Lahiri and Goutam Kumar Ghosh, 2011, Analysis (Munich), 31, 331 340.
- 405. Entire functions sharing a non-zero value with their derivatives, I. Lahiri and Goutam Kumar Ghosh, 2011, Lobachevskii J. Math., 32(3), 213 219.
- 406. On a result of N.Terglane, I. Lahiri and Goutam Kumar Ghosh, 2011,Kyungpook Math. J., 51, 195 204.
- 407. Entire functions sharing values with their derivatives, I. Lahiri and Goutam Kumar Ghosh, 2011, Analysis (Munich), 31, 47 59.
- 408. On unicity of meromorphic function and k-th derivative of its n-th power, I. Lahiri and Nintu Mandal, 2012, J. Adv. Research in Appl. Math., 4(3), 1 8.
- 409. A uniqueness polynomial generating a unique range set and vise versa, I. Lahiri and Abhijit Banerjee, Comput. Methods and Func. Theory (CMFT), 12(2), 527 539.
- 410. Uniqueness of entire functions sharing a value with linear differential polynomials, I. Lahiri and Rajib Mukherjee , 2012, Bull. Austral. Math. Soc., 85 , 295 306.
- 411. A normality criterion for meromorphic functions, Shanpeng Zeng and I. Lahiri,2012, Kodai Math. J., 35,105 -114.
- 412. On a result of Q. Han, S. Mori and K. Tohge concerning uniqueness of meromrophic functions, I. Lahiri and Nintu Mandal, Cubo, A Mathematical.

- 413. A non-zero value shared by an entire function and its linear differential polynomials, I. Lahiri and Imrul Kaish, Canad. Math. Bull. (to appear).
- 414. Member of the Editorial Board of the Journal of the Indian Academy of Mathematics, , I. Lahiri, 2011,Indore
- 415. Member of the Editorial Board of the Bulletin of Pure and Applied Mathematics, I. Lahiri, Jodhpur.
- 416. Member of the Editorial Board of Bulletin of Mathematical Analysis and Applications, I. Lahiri, Prishtine, Kosove.
- 417. Member of the Editorial Board of Mathematical Sciences and Applications E-Notes, I. Lahiri , Turkiye.
- 418. Associate Editor of the Bulletin of the Calcutta Mathematical Society, I. Lahiri
- 419. Member of the Council of Indian Mathematical Society, I. Lahiri, 2010 2012.
- 420. Coexistence of competing predators in coral reef ecosystems J.Bhattacharyya and S.Pal, 2011, *Nonlinear Analysis: Real World Applications*, 12, 965-978, Elsevier. Impact Factor: 2.138, ISSN: 1468-1218
- 421. Effect of dilution rate on the predictability of a realistic ecosystem model with instantaneous nutrient recycling, Anal Chatterjee and Samares Pal, 2011, Journal of Biological Systems, DOI No.: 10.1142/S021833901100410X, 19(4), 629-650, World Scientific, ISSN: 0218-3390
- 422. Bottom up and top down effect on toxin producing phytoplankton and its consequence on the formation of plankton bloom, Chatterjee, S. Pal and S. Chatterjee, 2011, Journal of Applied Mathematics and Computation, 218, 3387-3398, Elsevier.Impact Factor: 1.370 ISSN: 0096-3003
- 423. Lethal effect of insecticides on marine ecosystem due to agricultural runoff Joydeb Bhattacharyya and Samares Pal, 2012, Nonlinear Studies, 19(3), 399-415,, CSP-Cambridge, UK; I&S-Florida, USA. ISSN: 1359-8678.
- 424. Predator-prey interaction with harvesting-mathematical study with biological ramifications, S. Chakraborty, S. Pal and N. Bairagi, 2012, Applied Mathematical Modelling, 36, 4044-4059, Elsevier. Impact Factor: 1.371 ISSN: 0307-904x
- 425. Allelopathy of plasmid-bearing and plasmid-free organisms competing for two complementary essential resources in a chemostat, Joydeb Bhattacharyya, Hal L. Smith and Samares Pal, 2012, Journal of Biological Dynamics, 6 (2), 628-644, Taylor and Francis. Impact Factor: 1.856 ISSN 1751-3758
- 426. Stage-structured cannibalism with delay in maturation and harvesting of an adult predator, Joydeb Bhattacharyya and Samares Pal, 2012 Journal of Biological Physics, Springer (In Press), DOI: 10.1007/s10867-012-9284-6, Impact Factor: 1.864 ISSN: 0092-0606.
- 427. Management and analysis of a predator-prey fishery model, S. Chakraborty, S. Pal and N. Bairagi,2012, Nonlinear Studies, 19(2), 179-198, ISSN: 1359-8678
- 428. Spatial effects on viral disease in plankton system, Nanda Das, Samares Pal and Joydev Chattopadhyay, 2012, Nonlinear Studies, In press), CSP - Cambridge, UK; I&S - Florida, USA. ISSN: 1359-8678.
- 429. A Fuzzy Goal Programming Approach for Fuzzy Multiobjective Stochastic Programming throughExpectation Model, A. Biswas & N. Modak, 2012, *Communications in Computer and InformationScience*, 283, 124 – 135, Springer Verlag.(ISSN: 1865-0929, eISSN: 1865-0937)
- 430. Using Fuzzy Goal Programming Technique to Solve Multiobjective Chance Constrained Programming Problems in a Fuzzy Environment, A. Biswas & N. Modak ,2012, *International Journal of Fuzzy System Applications*, 2, 71 – 80, IGI Global.(ISSN: 2156-177X, eISSN: 2156-1761)

- Application of Fuzzy Programming Method for Solving Nonlinear Fractional Programming Problems with Fuzzy Parameters, A. Biswas & K. Bose, 2012, *Communications in Computer and Information Science*, 283, 104 – 113, Springer Verlag. (ISSN: 1865-0929, eISSN: 1865-0937)
- 432. A Fuzzy Programming Approach forSolving Quadratic Bilevel Programming Problems with FuzzyResource Constraints, A. Biswas & K. Bose, 2011, *International Journal of Operational* Research. 12, 142 – 156, Inderscience Pub. (ISSN: 1745-7645, eISSN: 1745-7653)
- 433. Fuzzy Goal Programming Approach for Quadratic Fractional Bilevel Programming. A. Biswas and K. Bose, 2011, In: *Proceedings of the 2011 International Conference on Scientific Computing* 143 149, CSREA Press, USA (ISBN: 1-60132-175-9)
- 434. On Solving Bilevel Programmingproblems with Fuzzy Parameters through Fuzzy Programming, A. Biswas & K. Bose, 2011, In: *Proceedings of the International Congress on Productivity, Quality, Reliability, Optimization and Modeling*, 229 242, Allied Publishers, New Delhi (ISBN: 978-81-8424-708-4)
- 435. Use of Priority based Fuzzy GoalProgramming Approach for Fuzzy Multiobjective Chance Constrained Programming Model, A. Biswas & N. Modak, 2011, In: *Proceedings of the International Congress on Productivity, Quality, Reliability, Optimization and Modeling* (*ICPQROM 2011*), 243 – 253, Allied Publishers, New Delhi (ISBN: 978-81-8424-708-4)
- 436. Image partition regularity of matrices near 0 with real entries, Dibyendu De, 2011, New York J. Math, 17, 149–161. Mathematical Citation quotient=.5
- 437. Combined additive and multiplicative properties near zero, Dibyendu De, 2012, New York J. Math, 18,353–360. Mathematical Citation quotient=.5
- 438. Further results related to Cauchy's proper bound for the zeros of entire functions, S.K. Datta and S. Savapondit: 2012, Int. Math. Forum, 7(7), 319-338, ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 439. Some results on Cauchy's proper bound for the zeros of entire functions, S.K. Datta and S. Savapondit, 2012, Int. J. Contemp. Math. Sciences, 7(7), 307-326, ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 440. A note on the definition of L-type of a meromorphic function of L-order zero or L-order infinity, S.K. Datta and S. Savapondit, 2012, Int. J. Contemp. Math. Sciences, 7(6), 291-306, 307-326, ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 441. Some growth properties of wronskians using L-order, S.K. Datta and S. Savapondit, 2012, Int. J. Math. Anal., 6 (7), 341-358, ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 442. A note on relative order of entire and meromorphic functions, S.K. Datta and A. Biswas, 2012, Int. J. of Math. Sci. & Engg. Appls. (IJMSEA), 6(II), 413-421, ISSN No: 0973-9424.
- 443. Growth rates of composite entire and meromorphic functions, S.K. Datta and T. Biswas, 2012, Bulletin of the Allahabad Mathematical Society (BAMS), 27(1), 55-94, ISSN No: 0971-0493.
- 444. Comparative study on the ratios of Nevanlinna's characteristic of two composite meromorphic functions, S.K. Datta, T. Biswas and S. K. Deb, 2012, Research Journal of Pure Algebra (RJPA), 2(6), 167-175, ISSN No: 2248-9037.
- 445. Some comparative growth rate of composite entire and meromorphic functions, S.K. Datta and T. Biswas, 2012, Journal of Information and Computing Science, Published by World Academic Press (WAP), A subsidiary of World Academic Union(WAU), 7, (2), 111-120, ISSN : 1746-7659.
- 446. Further investigations on the question raised by Singh, S.K. Datta, T. Biswas and S. K. Deb, 2012, International Journal of Engineering Research and Applications (IJERA), 2(2), 945-954, ISSN : 2248-9622.

- 447. Some further investigations on the growth properties of special type of differential polynomials, S.K. Datta and S. K. Pal , 2012, Int. J. Math. Anal., 6(41), 2017-2028, ; ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 448. Further results on the relative deficiencies of meromorphic functions on the basis of sharing of values of them, S.K. Datta and S. K. Pal, 2012, Int. J. Contemp. Math. Sciences, 7(33), 1605-1624, ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 449. Some results on the growth properties of special type of differential polynomials, S.K. Datta and S. K. Pal, 2012, Int. Math. Forum, 7(42), 2071-2084; ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 450. Growth of wronskians generated by entire or meromorphic functions on the basis of zero order and weak type, S.K. Datta, T. Biswas and D. C. Pramanik , 2012, Global Journal of Computational Science and Mathematics (GJCSM) 2 (1), 23-37, ISSN No: 2248-9908.
- 451. Derivation of some results of maximum terms of differential monomials generated by entire functions, S.K. Datta and A. R. Das, 2011, Wesleyan J. Research, 4(1), 15-21, ISSN No: 0975 – 1386.
- 452. Further results on maximum terms of composite entire functions, S.K. Datta and A. R. Das, 2011, Bull. Pure and Applied Mathematics (BPAM), 5(2), 278-286, ISSN No: 0973- 5933.
- 453. Relative defects of a special type of differential polynomial, S.K. Datta and S. Mondal, 2011, J. Mech. Cont. & Math. Sci., 5(2),691-706, ISSN No: 0973-8975.
- 454. Some generalized growth properties of composite entire functions involving their maximum terms on the basis of slowly changing functions, S.K. Datta and A. Biswas, 2011, Int. J. Math. Anal., 5(22),1093-1101,ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 455. Estimation of growth of composite entire and meromorphic functions of order zero on the basis of slowly changing functions, S.K. Datta and M. Mallik, 2011, Int. J. Math. Anal., 5(23), 1103-1115, ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 456. Relative (p,q) th order and related growth estimates of entire functions on the basis of their minimum modulus, S.K. Datta and M. Mallik, 2011, Int. J. Math. Anal., 5(23), 1117-1125, ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 457. Relative L-Ritt order and related comparative growth properties of entire Dirichlet series, S.K. Datta and M. Mallik, 2011, Int. J. Math. Anal., 5(23), 1127-1138, ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 458. Study of growth properties on the basis of Gol'dberg order of composite entire functions of several variables, S.K. Datta and M. Mallik: , 2011,Int. J. Math. Anal., 5 (23),1139-1153, ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 459. A note on the maximum terms of Wronskians generated by entire functions, S.K. Datta, A. R. Das and A. R. Maji: , 2011, Int. J. Math. Anal., 5(43), 2111-2118, ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 460. Relative order of entire functions in terms of their maximum terms, S.K. Datta and A. R. Maji , Int. J. Math. Anal., 5(43), 2119-2126; ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 461. On different kinds of orders and types of differential polynomials generated by entire functions using their minimum modulus, S.K. Datta and A. R. Maji: , 2011,Int. J. Math. Anal., 5(43), 2127-2140, ISSN No: 0973-8975, Impact Factor: 0.211, H.Index.-11, G.Index.-17.
- 462. Maximum terms of differential monomials generated by entire functions, S.K. Datta, A. R. Das and A. R. Maji , 2011, Int. J. of Math. Sci. & Engg. Appls. (IJMSEA), 5(IV),353-359, ISSN No: 0973-9424.

- 464. Some study of the comparative growth rates on the basis of generalised relative Gol'dberg order of composite entire functions of several complex variables, S.K. Datta and A. R. Maji: , 2011,Int. J. of Math. Sci. & Engg. Appls. (IJMSEA), 5(V), 335-344, ISSN No: 0973-9424.
- 465. Few results on the basis of Cauchy's proper bound for the zeros of entire functions, S.K. Datta and S. Savapondit, 2011, Int. J. of Math. Sci. & Engg. Appls. (IJMSEA), 5(VI) 199-213, ISSN No: 0973-9424.
- 466. A note on growth properties of wronskians, S.K. Datta and T. Biswas, 2011, J. Mech. Cont. & Math. Sci., 6(1),797-805, ISSN No: 0973-8975.
- 467. Some further growth relationships of composite entire and meromorphic functions, S.K. Datta and S. Savapondit , 2011, Int. J. Contemp. Math. Sciences, 6(5), 241-248, ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 468. Further results of generalised growth properties of differential monomials, S.K. Datta and S. Savapondit, Int. Math. Forum, 6(6), 271-279, ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 469. Estimation of relative order of entire and meromorphic functions in terms of slowly changing functions, S.K. Datta and A. Biswas, Int. J. Contemp. Math. Sciences, 6(24), 1175-1186, ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 470. On the growth of composition of entire functions with respect to minimum modulus, S.K. Datta and M. Mallik: , Int. J. Contemp. Math. Sciences, 6(24),(2011), 1187-1194, ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 471. Generalised L* (p, q) th order of the derivative of a meromorphic functions, S.K. Datta and M. Mallik, 2011, Int. J. Contemp. Math. Sciences, 6(24),1195-1200,ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 472. Growth properties of composite entire functions of two complex variables, S.K. Datta and M. Mallik, Int. J. Contemp. Math. Sciences, 2011,6(24), 1201-1212, ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 473. S.K. Datta and A. Biswas: On comparative generalized growth properties of composite meromorphic functions, Int. Math. Forum, Vol. 6, No.29 (2011), pp.1405-1412; ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 474. S.K. Datta and M. Mallik: Sharing and ^(t)^{*}-(p,q) th order of meromorphic and entire functions, Int. Math. Forum, Vol.6, No29 (2011), pp.1413-1419; ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 475. S.K. Datta and M. Mallik: Relative L-order and related comparative growth properties of entire functions in terms of their minimum modulus, Int. Math. Forum, Vol.6, No. 29(2011), pp.1421-1435; ISSN No: 1312-7594, Impact Factor: 0.235.
- 476. S.K. Datta and M. Mallik: A note on relative L-order and relative ^{L*}-order of entire functions, Int. Math. Forum, Vol.6, No29 (2011), pp.1437-1444; ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 477. S.K. Datta, A. R. Das and A. R. Maji: Maximum terms of Wronskians generated by entire functions, Int. J. Contemp. Math. Sciences, Vol. 6, No. 42 (2011), pp. 2045-2056; ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 478. S.K. Datta and A. R. Maji: On different kinds of orders and types of differential monomials generated by transcendental entire functions using their minimum modulus, Int. J. Contemp.

2015

Math. Sciences, Vol.6, No. 42(2011), pp.2057-2074; ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.

- 479. S.K. Datta and A. R. Maji: Some study of the comparative growth properties on the basis of relative Gol'dberg order of composite entire functions of several complex variables, Int. J. Contemp. Math. Sciences, Vol. 6, No. 42 (2011), pp.2075-2082; ISSN No: 1312-7586, Impact Factor: 0.221, H.Index.-11, G.Index.-16.
- 480. S.K. Datta, A. R. Das and A. R. Maji: Some results on the maximum terms of Wronskians generated by entire functions, Int. Math. Forum, Vol. 6, No.59 (2011), pp. 2913-2922; ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 481. S.K. Datta, A. R. Das and A. R. Maji: Some results on the generalised growth properties of analytic functions in a unit disc, Int. Math. Forum, Vol. 6, No.59 (2011), pp.2923-2930; ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 482. S.K. Datta and A. R. Maji: On different kinds of orders and types of Wronskians generated by transcendental entire functions using their minimum modulus, Int. Math. Forum, Vol.6, No.59 (2011), pp.2931-2940; ISSN No: 1312-7594, Impact Factor: 0.235, H.Index.-11, G.Index.-17.
- 483. S.K. Datta and S. Mondal: Study of growth properties on the basis of Ritt order of entire Dirichlet Series, Rev. Bull. Cal. Math. Soc., Vol.19, No. 1 (2011), pp.25-36; ISSN No: 2231-5306.
- 484. S.K. Datta and S. Mondal: Study of growth properties on the basis of Ritt order of entire Dirichlet Series, Rev. Bull. Cal. Math. Soc., Vol.19, No. 1 (2011), pp.25-36; ISSN No: 2231-5306.
- 485. S.K. Datta and A. Biswas: A note on L-order and L-lower order of meromorphic functions, J. Cal. Math. Soc., Vol. 7, No.2 (2011), pp.121-124; ISSN No: 2231-5314.
- 486. S.K. Datta and A. R. Das: Estimation of growth properties of differential polynomials generated by entire functions on the basis of their maximum terms, Rev. Bull. Cal. Math. Soc., Vol. 19, No. 2(2011), pp. 193-200; ISSN No: 2231 5306.
- 487. A note on the growth properties of a special type of differential polynomial, S.K.Datta, 2011,Published in the Proceedings of the UGC sponsored National Seminar on Recent Advances in the Application of Mathematical Analysis and Computational Techniques in Applied Sciences Organised by Department of Mathematics, Siliguri College in Colaboration with Von Karman Society, Jalpaiguri. 2, 137 146, ISBN : 978 81 909694 2 0).
- 488. Estimation of growth properties of entire functions in terms of their Taylor coefficients, S.K. Datta, 2011, (Published in the Proceedings of the UGC sponsored National Seminar on Recent Advances in the Application of Mathematical Analysis and Computational Techniques in Applied Sciences Organised by Department of Mathematics, Siliguri College in Colaboration with Von Karman Society, Jalpaiguri. 2, 1 7, ISBN : 978 81 909694 2 0.

DEPARTMENT OF PHYSICS

- 489. Advanced Electronic Practical (for Hons. & PG Level) by A. B. Bhattacharya, 2011, Published by NCBA, Kolkata
- 490. Electrification in the earth and Martian atmospheres with the possibility of global electric circuits by A. B. Bhattacharya, D. K. Tripathi, T. Das, A. Nag and A. Sarkar, 2011, *International Journal of Engineering Science and Technology*, 3, 3221-3228
- 491. A new technique for investigating Extrasolar planets by A. B. Bhattacharya, S. Das, A. Sarkar, M. Debnath and A. Bhoumick, 2011, *International Journal of Physics*, 4, 31-42

- 492. Statistical characteristics of tropical rain rate and rain intensity from radar and rain Gauge measurements by A. B. Bhattacharya, D. K. Tripathi, T. Das & A. Nag, 2011*International Journal of Physics*, 4, 53-64
- 493. The Antarctic ozone hole, mid latitudinal global ozone reduction and a comparison of ozone research to fundamental discoveries in physics by A. B. Bhattacharya and A. Bhoumick, 2011, *Science & Culture*, 77, 229-231
- 494. Identification of solar flares in the tropics by A. B. Bhattacharya, B. Raha, D. K. Tripathi and D. Halder, 2011, *International Journal of Advances in Science and Technology*, 3, 57-61
- 495. Measurements of rain drop size distribution from radar reflectivity and associated rain attenuation of radio waves, A. B. Bhattacharya, D. K. Tripathi, A. Nag and M. Debnath, 2011, *International Journal of Engineering Science and Technology*, 3, 4171-4179
- 496. Cloud microphysical properties of transient luminous events from sferics measurements, A. B. Bhattacharya, D. K. Tripathi, and A. Nag, 2011, *International Journal of Physics*, 4, 73-83
- 497. Implementation of fast Fourier transform for detecting solar bursts, A. B. Bhattacharya, R. Bhattacharya, S. Das, D. Halder, A. Sarkar, A. Bhoumick, T. Das and M. Debnath, 2011, *Research Journal of Earth and Planetary Sciences*, 1, 9-18
- 498. Anatomy of solar cycle length and sunspot number: dependence of average global temperature on solar activity, A. B. Bhattacharya, B. Raha, T. Das, M. Debnath and D. Halder,2011, *International Journal of Engineering Science and Technology*, 3, 8012-8018.
- 499. Implementation of radio technique in interstellar radiation field for locating distant star, A. B. Bhattacharya, D. K. Tripathi, A. Sarkar and A. Bhoumick, 2011, *International Journal of Applied Engineering Research*, 2, 63-69.
- 500. Design Considerations of Arrays as a Viewing Instrument of Radio Telescopes, A. B. Bhattacharya, B. Raha, T. Das and M. Debnath, 2011, *International Journal of Applied Engineering Research*, 2, 94-103, 2011.
- 501. On some propagation characteristics of tropical atmospheric and cosmic radio noise, A. B. Bhattacharya, D. K. Tripathi, A. Nag, D. Halder and J. Pandit, 2011, *International Journal of Engineering Science and Technology*, 3, 5475-5486
- 502. Some computations on the Drake equation to encapsulate the probable number of broadcasting civilizations, A. B. Bhattacharya, A. Sarkar and J. Pandit,2011, *International Journal of Applied Engineering Research*, 2, 590-594
- 503. Communication with Extraterrestrial Intelligence: Detecting Stars of Distant Planets, A. B. Bhattacharya, A. Sarkar, S.Das, M. Debnath and A. Bhoumick, 2011, *Proceedings of 2nd National Conference on Engineering Education in the New Century (E2NC-2011)*, Sygnus Publication, 186-189.
- 504. Reception of Solar and Jovian Radio Signals: New Possibilities of Interstellar Communication, A. B. Bhattacharya, *Proceedings of 2nd National Conference on Engineering Education in the New Century (E2NC-2011)*, Sygnus Publication, 12-13.
- 505. The role of Jupiter and its Satellite IO as decametric Radio Sources, A. B. Bhattacharya and D.Halder, 2011, *Proceedings of 2nd National Conference on Engineering Education in the New Century (E2NC-2011)*, Sygnus Publication, 190-192.
- 506. Variability of Sunspot Cycle and Hale Cycle in Relation to their Peak Activities over the Century by A. B. Bhattacharya, A. Nag and T. Das, 2011, *Proceedings of 2nd National Conference on Engineering Education in the New Century (E2NC-2011)*, Sygnus Publication, 183-185.
- 507. Interstellar Communication for the Scientific Search for Extraterrestrial Intelligence by A. B. Bhattacharya, I. Sinha, P. Joardar D. Halder, A. Bhoumick and A. Sarkar, 2011, *Proceedings*

of International Conference on Laser, Material Science and Communication (ICLMSC), University of Burdwan, Burdwan, 220-221 (ISBN:- 978-93-80813-14-1)

- 508. Lightning-associated VLF events in the tropics by A.B.Bhattacharya, D.K.Tripathi, A. Nag, P. Barman and R. Bhattacharya, 2011, *Proceedings of International Conference on Laser, Material Science and Communication* (ICLMSC), University of Burdwan, Burdwan, 217-219, ISBN:- 978-93-80813-14-1
- 509. Reception of Radio signals from the Sun and Extraterrestrial sources by A. B. Bhattacharya, J. Pandit and A. Sarkar, 2011, *Proceedings of International Conference on Laser, Material Science and Communication* (ICLMSC), University of Burdwan, Burdwan, 214-216, ISBN:-978-93-80813-14-1
- 510. Supervised (and completed) two Ph.D. theses, viz. "Some studies on plasma processes due to solar and extrasolar atmosphere and to predict the possible sola-terrestrial relationship" by S. Das, and "Some investigations on solar modulation of space weather and the electrical processes affecting atmospheric layers" by D. K. Tripathy
- 511. On the extendedness of electron states in a hierarchical lattice: A critical view", Biplab Pal, Arunava Chakrabarti, and Nitai Bhattacharya, 2011, *Solid State Communications*, 151,1894,IF=1.941
- 512. "Strange eigenstates and anomalous transport in a Koch fractal with hierarchical interaction", Arunava Chakrabarti, 2011, *Phys. Lett.*, 375, 3899, IF=1.766
- 513. "Magneto-transport in series coupled Aharonov–Bohm rings: The proximity effect and related issues", S. Jana, Nitai Bhattacharya and Arunava Chakrabarti, 2011, *Physica* B 406, 4387, IF=1.135
- 514. "Magneto-transport in a mesoscopic ring with Rashba and Dresselhaus spin-orbit interactions", Santanu K. Maiti, Moumita Dey, Shreekantha Sil, Arunava Chakrabarti and S. N. Karmakar, 2011, *Europhys. Lett.* 95, 57008, IF=2.26
- 515. "Controlled electron transport in coupled Aharonov–Bohm rings", Supriya Jana and Arunava Chakrabarti, 2011, *Phys. Status Solidi*, 248, 725, IF=1.032
- 516. Late time acceleration in Scalar-Tensor Theory with GB interaction" R. N. Bose and B. Modak, 2012, Int. Jour. Theor. Phys. 51, 350,(online in 2011), IF=1.086
- 517. Effect of conducting polymer poly (3,4-ethylenedioxythiophene)(PEDOT) nanotubes on electro-optical and dielectric properties of a ferroelectric liquid crystal, S. Ghosh, P. Nayek, S. K. Roy, R. Gangopadhyay, M. Rahaman Molla, T. Pal Majumder, 2011, European Physical Journal, 34, 11035-6, IF=1.824, ISSN: 1292-8941/1292-895X
- 518. Theoretical approach to study the effect of free volumes on the physical behavior of polymer stabilized ferroelectric liquid crystal molecules, T. Lahiri, T. Pal Majumder, 2011, Journal of Applied Physics, 109, 114109/1-7. IF=2.210, ISSN: 0021-8979
- 519. Theoretical investigation of helix distortion and dielectric spectrum of antiferroelectric liquid crystals, D. Das, T. Lahiri, T. Pal Majumder, 2011, Physica B 406,1577-1581, IF=1.327, ISSN: 0921-4526
- 520. Theoretical investigation of antiferroelectric (SmCA*) subphases by hydrodynamical approach, T. Lahiri, T. Pal Majumder, 2011, Physica B, 406, 4417-4422, ISSN: 0921-4526, IF=1.327
- 521. Ultraviolet visible spectroscopy of CdS nano-wires doped ferroelectric liquid crystal, K. Pal, U. N. Maiti, T. Pal Majumder, P. Dash, N. C. Mishra, N. Bennis, and J. M. Otón, 2011, Journal of Molecular Liquids, 164, 233-238, ISSN: 0167-7322, IF=1.684
- 522. A facile strategy for the fabrication of uniform CdS nanowires with high yield and its controlled morphological growth with the assistance of PEG in hydrothermal route, Kaushik

Pal, Uday Narayan Maity, T. Pal Majumder, Subhas Chandra Debnath, 2011, Applied Surface Science, 258, 163-168, ISSN: 0169-4332, IF=2.112

- 523. Ultra-thin grapheme edges at the nanowire tips: a cascade cold cathode with two-stage field amplification, Uday N Maiti, Soumen Maiti, T. Pal Majumder and Kalyan K Chattopadhyay, 2011,Nanotechnology, 22, 505703, ISSN: 1361-6528/0957-4484, IF=3.842
- 524. Different rpm spin speed variation of CdS nanowires doped felix optical properties, K. Pal, U. N. Maiti, T. P. Majumder, P. Dash, N. C. Mishra, N. Bennis, and J. M. Otón, 2011, Indo-Australia Workshop on Nanomaterial.
- 525. Excellent strategy for the fabrication of uniform CdS nanowires growth with the assistance of PEG in hydrothermal route and interesting behavior in liquid crystal (Felix-017/100) material host, K. Pal, U. N. Maiti, T. P. Majumder, P. Dash, N. C. Mishra, N. Bennis, and J. M. Otón, 2012, International conference for Advance Material (ICAM-2012), Chennai.
- 526. Surfactant assisted controllable growth of CdS nanowires doped ferroelectric liquid crystal optical-dielectric properties: Efficient switching device as dielectric capacitors, Kaushik Pal and Tapas Pal Majumder,2012, Proceedings through conference NANOSIM.
- 527. "Effect of hole-phonon interaction on dx2-y2- wave superconducting phase in 2D t-J model with phonon mediated interaction" by N.S.Mondal and N.K.Ghosh, 2011, Physica B 406,3723 I.F.-1.327
- 528. "Falicov-Kimball model extended by electron-phonon interaction (EPI)" by S K Bhowmick and N.K.Ghosh, 2011, Armenian Journal of Physics 4,30 ISSN-1829-1171
- 529. "Nonlocal Coulomb interaction in the two-dimensional spin-1/2 Falicov-Kimball model", S K Bhowmick and N K Ghosh in Pramana-J, 2012, Phys **78**, 289, **I.F.-1.785**
- 530. "Phonon mediated interaction in the two-dimensional t-J model", N.S.Mondal and N.K.Ghosh, 2011, AIP Conf. Proc. 1349, 807: *Proceeding of 55th DAE Solid State Physics* Symposium
- 531. "Increase of effective exchange energy due to phonon mediated interaction in the extended t-J model", N.S.Mondal and N.K.Ghosh, 2012, AIP Conf. Proc., 1447, (865: *Proceeding of 56th DAE Solid State Physics* Symposium,
- 532. Study of spin susceptibility of mixed-valent systems" by S. K. Bhowmick and N. K. Ghosh, CMDAYS, organized by Gauhati University, Assam.
- 533. "Study of some electronic and thermal properties of the graphene nanoribbons (GNRs) by exact diagonalisation method", S K Bhowmick and N K Ghosh, 2012, SNSCMPLA.
- 534. "Pairing susceptibility and hole dynamics in the extended 2D Hubbard model", S Nath and N K Ghosh, 2012, SNSCMPLA.
- 535. The Science of Climate Change, G Paul, 2010, , Kolkata, Dasgupta & Company Pvt. Ltd., ISBN: 978-81-8211-071-7

DEPARTMENT OF PHYSIOLOGY

- 536. Bacillus cereus strain AGP-03 16S ribosomal RNA gene, partial sequence, Ghati, P. Tarafder, K. Sarkar and G. Paul , 2011, GenBank: JN858965. National Centre for Biotechnology Information (NCBI), U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA.
- 537. Escherichia coli strain DACG2 16S ribosomal RNA gene, partial sequence, Ghati, D. Dasgupta, C. Sengupta and G. Paul ,2011, GenBank: JN858966. National Centre for

Biotechnology Information (NCBI), U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA.

- 538. Acinobacter sp. AGP-02 16S ribosomal RNA gene, partial sequence, Ghati, P. Tarafder, K. Sarkar, M. Ghosh and G. Paul, 2011, GenBank: JN639876. National Centre for Biotechnology Information (NCBI), U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA.
- 539. Burkholderia sp. DACG1 16S Burkholderia sp. DACG1 16S, A. A. Ghati, D. Dasgupta, C Sengupta and G. Paul, 2011, ribosomal RNA gene, partial sequence, GenBank: JN639877. National Centre for Biotechnology Information (NCBI), U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA.
- 540. Pseudomonas pudita strain DSGPM5 16S ribosomal RNA gene, partial sequence, D. Sarkar and G. Paul , 2011, GenBank: JN245880. National Centre for Biotechnology Information (NCBI), U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA.
- 541. Bacillus sp. DSGPM3 16S ribosomal RNA gene, partial sequence, D. Sarkar and G. Paul, 2011, GenBank: JN245881. National Centre for Biotechnology Information (NCBI), U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA.
- 542. A. Ghati, T Dutta, G Paul (2010).Gene Bank submission : Pseudomonas sp. AGP-01 16S ribosomal RNA gene, partial sequence. Gene Bank: HM587311. NCBI, US National Library of Medicine. 8600 Rockville Pike, Bethesda MD, 20894 USA.
- 543. N-acetyl-L-cysteine prevents dopamine toxicity in PC12 cells: Role of toxic Quinones, A K Maiti, M B Bagh, S Jana, S Chakraborti, N C Saha, G Paul, 2010, Movement Disorders. 25 (3): S621. Impact factor : 4.48 (as per 2010) ISSN-0885-3185 (print version) & 1531-8257 (Web version)
- 544. Training impact on poultry farmers of South Andaman Islands and comparative performance evaluation of pure and cross breeds of Nicobari fowl, N C Choudhuri, G Paul, A Kundu M S Kundu, R N Chatterjee, S Chand, 2010, Livestock Research for Rural Development, 22 (8), ISSN- 0121-3784 (Web version)]
- 545. Effect of lead on oxidative stress, Na+K+ATPase activity and mitochondrial electron transport chain activity of the brain of *Clarius batrachus L*.Bull Environ Contam Toxicol, A K Maiti, G Paul, N C Saha, 2010,Springer, 84 (6), 672–676, ISSN- 0007-4861 (print version) & 1432-0800 (Web version), Impact factor : 1.139 (as per 2010)
- 546. Chromium III Exposure Inhibits Brain Na+K+ATPase Activity of Clarias batrachus L. Involving Lipid Peroxidation and Deficient Mitochondrial Electron Transport Chain Activity, G Paul, A K Maiti, B Maity, D Mazumdar, N C Saha, 2011, 98th Indian Science Congress, Medical Sciences (including Physiology) SRM University, Chennai.
- 547. Oxidative stress induced inhibition of rat brain Na+K+ATPase exposed to Ni2+ ions: Involvement of lipid peroxidation and deficient mitochondrial electron transport chain activity., G Paul, 2010, Dr M. S. Krishnamoorthy Award 2010. XXXI Annual Conference of IABMS 2010. SVCP, Thiruchengode, Elyampalyam, Tamil Nadu.
- 548. Heat waves decrease the work efficiency and deteriorate the health status of labourers employed in construction sectors: A case study to evaluate the impact of thermal extremes, a climatic variable on human health, S Chatterjee, K Sarkar, P Tarafder, S Sahu, G Paul, 2010, International Seminar 2010 on Climate Change and Environmental Challenges of 21st Century .Institute of Environmental Science (IES), University of Rajshahi, Bangladesh.
- 549. Optimization of different environmental parameters for the production of indole (-3) acetic acid by *Burkholderia sp.* DACG1, isolated from the rhizosphere of *Sesbania bispinosa*, D Dasgupta, A Ghati, C Sengupta, G Paul, 2012,National Symposium on Frontlines of Microbial Research : Concepts and Applications. Organised by: Indian Mycological Society, Kolkata.

- 550. Study on the production of extra- cellular polymeric substances by metal- resi stant bacteria and biosorption of toxic metals by exo-polymer, D Sarkar, A Ghati, M Ghosh, K Sarkar, P Tarafder, G Paul ,2011, World Congress on Biotechnology, Biotechnology-2011.
- 551. Characterization of thermostatable extracellular esterase produced by Acinetobacter sp. AGP-02, A Ghati, P Tarafder, K Sarkar, M Ghosh, G Paul , 2011, isolated from hot spring of Bakreshwar, West Bengal, India. 52nd Annual conference of association of Micrbiologists of India (AMI), International Conference on Microbial Biotechnology for sustainable development. Organized by Panjab University, Chandigarh, India, 158-159.
- 552. Isolation and partial characterization of an antibacterial compound produced by the alkali tolerant Pseduomonas sp. AGP-01. 51st Annual conference of association of Micrbiologists of India (AMI), AMI-2010, Ghati, T Dutta, P Tarafder, K Sarkar, M Ghosh, G Paul, 2010, International symposium on recent advances in Crss-disciplinary microbiology: Avenues & challenges and International workshop on rRNA sequencing, phylogeny & next generation genome sequencing, held, Ranchi, India, 226-227.
- 553. N-acetyl-L-cysteine prevents dopamine toxicity in PC12 cells: Role of toxic Quinones, A K Maiti, M B Bagh, S Jana, S Chakraborti, N C Saha, G Paul ,2010, Movement Disorders. 25 (3), S621.
- 554. Oxidative stress induced inhibition of rat brain Na+K+ATPase exposed to Ni2+ ions: involvement of lipid peroxidation and deficient mitochondrial electron transport chain activity, A K Matiti, G Paul, N C Saha, 2009., Proceedings of the "International Conference on Integrative Physiology: Modern perspective", Physiological Society of India (PSI) (Invited Lecture), Nov. 12-14, Kolkata. 192.
- 555. Shift work and accident –an ergonomic perspective, Sahu, S. ,2011, In: Ergonomics for Everyone (Edited by Gangopadhyay, S.), 75-80, ISBN 978-81-910303-0-3
- 556. Changes in food intake pattern of nurses working in rapidly rotating shift, Sahu, S. and Dey, M. ,2011), Al Ameen Journal of Medical Sciences, 4(1), 14-22, (Reviewed ISSN 0974-1143)
- 557. Ergonomic Survey on Health Status of the Nurses Working in Shift in Hospitals., Sahu, S. Goswami, S. and Ganguly, R., 2011, The Malyasian Journal of Nursing, 12 (3), 12 -15, (Reviewed ISSN 2231-7007)
- 558. Study on work load and work related musculoskeletal disorders among male jute mill workers of west Bengal, India, Sahu, S and Sett, M., 2012, Work: A journal of prevention, assessment & Rehabilitation, (Reviewed ISSN 1051-9815). Accepted
- 559. Assessing Morningness of a group of people by using fuzzy expert system and adaptive neuro fuzzy inference model, Biswas, A., Majumder, D. and Sahu, S. (2011), In proceedings of International Conference on Logic, Information, Control and Computation, 2011 published in Communications in Computer and Information Science (CCIS) (Edited by P. Balasubramaniam), Spinger-Verlag, Germany, 140, 47 56, ISSN : 1865 -0929
- 560. Evaluation of nutritient intake patterns of hospital nurses working in rotating shift, Sahu, S, 2011,Proceedings of 32nd Annual conference of Indian Association of Biomedical Scientists, 2011, 50-51, held in Panjab University.
- 561. Ergonomic study on effect of morningness orientation in adaptation to stress of rotating shift work, Sahu, S ,2011, Proceedings of XXIII Annual Conference of the Physiological Society of India, 2011, 62.
- 562. Exposure to workplace fumes alters the forced expiratory flow of different intervals and peak expiratory flow rate of the goldsmiths, Moitra, S. And Sahu, S, 2011,Proceedings of XXIII Annual Conference of the Physiological Society of India, 70-71.
- 563. Evaluation work related postural stress among the male workers engaged in unorganized brick making industries in West Bengal, Maity, S. And Sahu, S. ,2011, Proceedings of XXIII Annual Conference of the Physiological Society of India, 71.

- 564. Eating behaviour and nutrient intake patterns of hospital nurses working in rotating shift, Sahu, S, 2011, Proceedings of International conference on molecules to Systems Physiology, (ICMSP 100), held in University of Calcutta
- 565. Chronotherapy: the synchronised drug delivery with circadian rhythm, Pandit, A, Moitra,S. And Sahu S, 2011, Conscientia, 1(1),17-20.

DEPARTMENT OF STASTICS

- 566. Reduction of loss of experimentation using sequential rotatable designs, **Rajendra Nath Panda**
- 567. (with A.Das Roy) Quality-Quantity Third order, Rajendra Nath Panda
- 568. A continuous version of the negative binomial distribution, STATISTICA, Nimai Kumar Chandra, amo,, XXII(1)
- 569. Discretization of random variables with applications, Nimai Kumar Chandra, 63

DEPARTMENT OF ZOOLOGY

- 570. The changing global climate and future of marine and inland fisheries.In G.K.Saha (Editor), Kaviraj, A, 2012, Climate change – man and environment, Daya Publishers, New Delhi, 227-235
- 571. Ecotoxicological assessment of cobalt used as supplement in the diet of common carp *Cyprinus carpio*, Mukherjee Sanjukta and Kaviraj Anilava, 2011, BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY (SPRINGER), 87:527–530.
- 572. Acute toxicity of the synthetic pyrethroid pesticide fenvalerate to some air breathing fishes, Datta (Bhattacharya) Madhuban and Kaviraj Anilava, 2011, TOXICOLOGICAL & ENVIRONMENTAL CHEMISTRY (TAYLOR AND FRANCIS), 93(10), 2034–2039.
- 573. Bioaccumulation of cobalt, digestive enzyme activities, and growth of freshwater catfish, Heteropneustes fossilis (Bloch), fed cobalt-supplemented diets, Mukherjee, S. and Kaviraj, A., 2011, TOXICOLOGICAL & ENVIRONMENTAL CHEMISTRY (TAYLOR AND FRANCIS), 93(3), 575 - 584.
- 574. Evaluation of fermented mixture containing fish offal meal in compound diets for the freshwater catfish *Mystus vittatus* (Bloch), Samaddar, A., Mandal, K. and Kaviraj. A., 2011, PROC ZOOL SOC (SPRINGER) 64(2), 117–123
- 575. Effects of carbaryl, chlorpyrifos and endosulfan on growth, reproduction and respiration of tropical epigeic earthworm, *Perionyx excavatus* (Perrier), Dasgupta, R., Chakravorty, P.P and Kaviraj, A .,2012,JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH, PART B (TAYLOR AND FRANCIS). 47(2), 99-103
- 576. Freshwater catfish, *Heteropneustes fossilis*, Mondal, Kausik, Anilava Kaviraj and Pratap Kumar Mukhopadhy, 2011, ELECTRONIC JOURNAL OF BIOLOGY, 7(3), 54-59.
- 577. Effects of partial replacement of fishmeal in the diet by mulberry leaf meal on growth performance and digestive enzyme activities of Indian minor carp *Labeo bata*, Mondal Kausik, Kaviraj Anilava and Mukhopadhyay Pratap Kumar, 2012, INTERNATIONAL JOURNAL OF AQUATIC SCIENCE, 3 (1), 72-83.
- 578. Declining biodiversity of the floodplain lakes of Ichamati river basin in West Bengal, Kaviraj.A. and Mondal D, 2012
- 579. Characteristic Features of Garole Sheep with Special Emphasis on Worm Infestations, Maitra N.J., Goswami.A, and Bandyopadhyay.P.K, 2011,J.Indian Soc.Costal agric, Res.,29(1), 99-102

- Observations On Two New Species Of *Thelohanellus* Kudo, 1933 From Minor Carps Of Tripura, India, Madhavan R, Bandyopadhyay P.K, and Santosh B., 2012, *Protistology* 7 (4), 203–208, **ISSN** 1680-0826
- 582. Observations On The Histopathological Changes Caused By Myxosporidian Infections In Minor Carps, Madhavan R, Bandyopadhyay P.K, and Santosh B., 2012, *Journal of Parasitic Diseases (Springer)* 10/2013; DOI:10.1007/s12639-012-0159 ISSN: 0975-0703
- 583. Antibacterial effect of some locally available plant extracts against some fish pathogenic bacteria. *Proc. Nat. Cong*, Banerjee, S., Chakraborti, J., Panda, S., Bandyopadhyay, P.K., 2011, *Parasitol*, 265-270, ISBN:978-93-5067-220-4
- 584. Studies on the Biodiversity of Aseptate Gregarines from the Oligochaetes of West Bengal. *Proc. Nat. Cong*, Bhowmik, B., Mitra, A. K., Bandyopadhyay, P.K., 2011, *Parasitol*, 37-41, ISBN:978-93-5067-220-4
- 585. On the occurrence of a protozoan parasite from edible oysters of Sunderbans region of West Bengal. *Proc. Nat. Cong*, Biswas, T., Bandyopadhyay, P.K., 2011, *Parasitol*, 315-318. ISBN:978-93-5067-220-4
- 586. Protoopalina andulensis and Protoopalina limnocharis (protozoa:slopalinida) with a note on their heterospecific association with anuran host of West Bengal, India. Proc. Nat. Cong, Gangopadhyay Maitra, M., Ray, R., Bandyopadhyay, P.K. ,2011, Parasitol, 126-130, ISBN:978-93-5067-220-4
- 587. Distribution of worm infestation in naturally grazing garole sheep of Sundarban district. Proc. Nat. Cong., Maitra, N. J., Bandyopadhyay, P.K., Goswami A., 2011, Parasito,. 165-170, ISBN:978-93-5067-220-4
- 588. Changes in haematological parameters in trypanosome infected *Clarias batrachus* (L.) in West Bengal. *Proc. Nat. Cong*, Bag, S.K., Chakraborty, J., Banarjee, S., Bandyopadhyay, P.K., 2011, *Parasitol*, 310-314, ISBN:978-93-5067-220-4
- 589. Characterization of haemocyte types, their counts in different breeds of silkworm, Bombyx mori L. and their progressive changes following bacterial inoculation, Mitra, P., Chakrabarty, S., Bandyopadhyay, P.K., Haldar, D. P., 2011, Proc. Nat. Cong. Parasitol, 196-05, ISBN:978-93-5067-220-4
- 590. On the relation of meteorological parameters and malaria transmission, Banik, R., Bhattacharya, R., Bandyopadhyay, P.K. ,2011, *Proc. Nat. Cong. Parasitol*, 206-212, ISBN:978-93-5067-220-4
- 591. First record of a Gregarine from an earthworm of Bangladesh. *Proc. Nat. Cong.*, Sarkar, S., Bandyopadhyay, P.K., 2011, *Parasitol*, 287-292, ISBN:978-93-5067-220-4
- 592. Nature of Parasitic Infestations in three Economically Important *Labeo* spp. inhabiting natural and cultured water bodies of Tripura. *Proc. Nat. Cong.*, Madhavan, R., Bandyopadhyay, P.K., Santosh, B. ,2011, *Parasitol*, 218-222.ISBN:978-93-5067-220-4
- 593. Jayati Chakraborti(2012)
- 594. Indigenous Fish species having Ornamental Value-A New Hope for Microenterprise Development Journal of Exploitory Animals and Medical Research, Ashis Kumar Panigrahi, 2011, 1(2)
- 595. Activity of Pheromone in Fish and their Uses in Fish Culture A Rev Journal of Environment and Sociobiology, Ashis Kumar Panigrahi, 2011, 8(2), ISSN no. 0973-0834

- 596. ITK Adopted by the Fish Farmer to Control Diseases and Pest of Fishes, Ashis Kumar Panigrahi, 2011, Journal of Environment and Sociobiology, 8(2), ISSN no. 0973-0834
- 597. The occurance of *Vibrio parahaemolyticus* in shellfish obtained from retail market of Nadia district, West Bengal, India, **Ashis Kumar Panigrahi**, 2011, Adv.pharmacol.Toxicol, 12 (3)
- 598. Analysis of the Non-Fisheries activities of the Co-operative fishers Tamilnadu , Ashis Kumar Panigrahi, 2011, Journal of Animal & Sciences 8(1)1-5
- 599. Poly (lactide-co-glycolide) encapsulated extract of Phytolacca decandra demonstrates better intervention against induced lung adenocarcinoma in mice and on A549 cells, Jayeeta Das, Sreemanti Das, Asmita Samadder, Kakali Bhadra, Anisur Rahman Khuda-Bukhsh, 2012, <u>European Journal of Pharmaceutical Sciences</u>, 47, 313–324. IF= 3.21
- 600. Dihydrooxy-1sosteviol methyl ester of pulsatilla nigricans extract reduces arsenic induced DNA damage in testis cells of mice: its toxicity, drug-DNA interaction and signalling cascades. Asmita Samadder, Jayeeta Das, Sreemanti Das, Durba Das, Arnab De, Kakali Bhadra, Anisur Rahman Khuda-Bukhsh.,2012, *Journal Of Chinese Integrative Medicine*, 10, 12, 1433. IF= 0.7
- 601. Possible signaling cascades involved in attenuation of alloxan-induced oxidative stress and hyperglycemia in mice by ethanolic extract of *Syzygium jambolanum*: Drug-DNA interaction with calf thymus DNA as target Asmita Samadder, Debrup Chakraborty, Arnab De, Soumya Sundar Bhattacharyya, Kakali Bhadra and Anisur Rahman Khuda-Bukhs, 2011, *European Journal of Pharmaceutical Sciences*, 44, 3, 207–217. IF= 3.21
- 602. Targeting RNA by Small Molecules: Comparative structural and thermodynamic aspects of Aristololactam- Das, A., Bhadra, K. and Suresh Kumar, G, 2011, D-Glucoside and Daunomycin binding to tRNAphe *PloS One*, 6, e23186-23197. IF=4.092
- 603. Interaction of aristololactam- D-glucoside and daunomycin with poly(A): Spectroscopic and calorimetric studies Das, A. *, Bhadra, K. *, Achari, B., Chakraborty, P. and Suresh Kumar, G., 2011, *Biophys. Chem.*, 155, 10-19. *equal contribution. IF=2.203
- 604. Interaction of berberine, palmatine, coralyne and sanguinarine to quadruplex DNA: A comparative spectroscopic and calorimetric study, Bhadra, K., and Suresh Kumar, G., 2011, *Biochim. Biophys. Acta*, 1810, 485-496. IF=5
- 605. Therapeutic potential of isoquinoline alkaloids: An update on their nucleic acids binding aspects and implications for drug design, Bhadra, K., and Suresh Kumar, G., 2011, *Med. Res. Rev.*, 31, 6, 821-862. IF=10.7

DEPARTMENT OF BUSINESS ADMINISTRATION

- 606. Use of ARIMA model on Rice Production in Birbhum District, Manas Kumar Sanyal, 2012, Statistics in Social Science and Agriculture Research, Concepts Publishing Co. Pvt. Ltd., New Delhi, ISBN-13:978-81-8069-822-4
- 607. Some Problems of Small Farmers A case study in West Bengal, India, Manas Kumar Sanyal, 2011, Artha Beekshan, 20(3 & 4), 174-187.(Co- Author; Parasar Pal et al).
- 608. Growth and Limitations of E-commerce a case of Indian Steel Industry, SURVEY, Manas Kumar Sanyal, 2011, A Management Research Journal of IISWBM, ISSN: 0586-0008, 51(3&4), 110-121 (coauthor Bidyut Biman Sarkar)
- 609. A Study on Progress of Citizen's Centric E-Governance services in West Bengal, Manas Kumar Sanyal, 2012, Journal of Computer Application(JCA) 5(3), ISSN 0974-1925(Coauthor- Sudhangsu Das, Sajal Bhadra)
- 610. E-Governance Initiative in West Bengal: A comprehensives` Study,(coauthor-Sudhangsu Das,Sajal Bhadra) The 7th International Conference on IT Applications and Management:,

- 611. International Migration and Skilled Labour Relation an Ecological Imbalance: Challenges to World Labour Industry (co author : Sudhangsu Das, Samir Chandra Das, et al) Integrated Research and Development Foundation, **Manas Kumar Sanyal, 2012**, International Seminar *On G*lobal Environmental issues: challenges to industry, Ecology and Society, Kalynai Law College.
- 612. "Stock Option Compensation: Impact of Expense Recognition on Performance indicators of Companies Listed in India", **Satyajit Dhar, 2011,** International Journal of Commerce & Management, Indiana University, USA, 21(2), 122 142, ISSN 1056-9219 (Co-author: Subhabrata De)
- 613. An Empirical Study in Indian Share Market using Neural Network and Genetic Algorithm, Satyajit Dhar, 2011, 1(1), 1-19, ISSN 2249-7323
- 614. Banking Reforms for Financial Inclusion: Performance of Selected Indian Banks, **Satyajit Dhar, 2011,** 94th National Conference of IEA.
- 615. Carbon Trading In India; Accounting Issues & Practice, **Satyajit Dhar, 2011,** XXXIV All India Accounting Conference.
- 616. Principles of Marketing and E-Commerce, Isita Lahiri, (Co-author: Sujit Kumar Ghosh), 2011, Pearson Education, New Delhi, ISBN: 978-81-317-6138-0
- 617. "Unified Demand-Supply Chain Management: Beginning the Journey from Destination", Isita Lahiri, 2012, Business Application and Management Issues (Edited Book), SPS Education India Pvt Ltd, Kolkata, 166-170, ISBN: 978-81-913034-68
- 618. "A Study on Brand Loyalty of MLM Brands", **Isita Lahiri, 2011,**International Journal of Marketing and Management Research (IJMMR), 2(4), 88-102, (ISSN: 2229-6883).(Co-author: M. K. Das)
- 619. "Network Marketing in Non-Metropolis: An Awaiting Destination", Isita Lahiri, 2011, JIMS8M, 16(4), 2011, 10-18. (ISSN: 0973-9335) (Co-author: M. K. Das)
- 620. "Distributors' Inclination towards MLM: An Analysis", Isita Lahiri, (Co-author: M. K. Das) 2012, Siddhant, 12, (ISSN: 2231-0649).
- 621. "Sustainability of Eco-clothes: An Economic Exposure", International Seminar on Global Environmental Issues: Challenges to Industry, Isita Lahiri, 2011, Ecology and Society organised by Integrated Research and Development Foundation (IRDF), Kalyani in Collaboration with Snehangshu Kanta Acharya Institute of Law

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- 622. "Security, Forgery and Fingerprints: Advantages, Drawbacks and Limitation of Biometrics" Kalyani Mali, 2012, International Journal of Computer Information Systems, 4
- 623. "Fingerprints Pre-processing in Frequency Domain" International Transactions on Electrical, Kalyani Mali, 2012, Electrical and Communication Engineering" Vol. 2, No.3, 2012.
- 624. "Medical Data Handling Using Cloud Computing and A Proposal for Countrywide Medical System" **Kalyani Mali**, i-manager's Journal on Software Engineering (accepted)
- 625. "A new approach of Character Recognition Using Mathematical Morphology" Kalyani Mali, 2011, Proceedings of NACCA.
- 626. Gradual Advancements in Fingerprint Recognition: A Survey, Kalyani Mali,2012, Proceedings of ETCS .

- 627. "Revolutionary spatial Point Extraction Technique For Fingerprint Recognition" Kalyani Mali, 2011, International Conference on Control Communication and Computer Technology at Delhi.
- 628. "Study of Object Extraction from Color Images in Frequency and Spatial Domain" **Kalyani Mali, 2011,**International Conference on Information, Computing and Telecommunications at Bangalore.
- 629. "Study of object Extraction by Correlation in Frequency and Spatial Domain" Kalyani Mali,
 2011, International Conference on Information Technology, Electronics and Communications, at Hyderabad A.P.
- 630. "Multiobjective Genetic Algorithms for Clustering: Applications in Data Mining and Bioinformatics", U. Maulik, S. Bandyopadhyay and A. Mukhopadhyay Springer, 2011, Heidelberg-Berlin, ISBN: 978-3-642-16614-3
- 631. "MOSCFRA: A Multi-objective Genetic Approach for Simultaneous Clustering and Gene Ranking", K. C. Mondal, A. Mukhopadhyay, U. Maulik, S. Bandhyapadhyay and N. Pasquier, 2011, Computational Intelligence Methods for Bioinformatics and Biostatistics, LNCS, 6685, 174-187, Springer-Verlag, (ISBN: 978-3-642-21945-0)
- 632. "A Genetic Algorithm Based Mixed 0-1 Goal Programming Approach to Interval-valued multiobjective Bilevel Programming Problem", B. B. Pal, D. Chakraborti, P. Biswas, A. Mukhopadhyay, 2011, International Journal of Fuzzy systems and Rough systems, 4(1), 71-78, (ISSN: 0974-858X).
- 633. "Identifying the Immunodeficiency Gateway Proteins in Human and their Involvement in MicroRNA Regulation", U. Maulik, M. Bhattacharyya, A. Mukhopadhyay and S. Bandyopadhyay, 2011, Molecular BioSystems, Royal Society of Chemistry, 7(6), 1842-1851, (Impact Factor: 3.534) (ISSN: 1742-206X (print) ISSN: 1742-2051 (Web)).
- 634. "Microarray Gene Expression Data Clustering using PSO based K-means Algorithm", L. Dey and A. Mukhopadhyay, 2011, International Journal of Computer Science and its Applications, 1(1), 232-236, (ISSN:- 2250-3765 (online)).
- 635. "An application of genetic algorithm method for solving patrol manpower deployment problems through fuzzy goal programming in traffic management system: A case study", B. B. Pal, D. Chakraborti, P. Biswas and A. Mukhopadhyay,2012, International Journal of Bio-Inspired Computation, 4(1), 47-60, (ISSN online: 1758-0374 ISSN print: 1758-0366)
- 636. "A Novel Biclustering Approach to Association Rule Mining for Predicting HIV-1--Human Protein Interactions", A. Mukhopadhyay, U. Maulik and S. Bandyopadhyay, PLoS ONE, 7(4), (Impact Factor: 4.092) (ISSN: 1932-6203)
- 637. "Gene Expression Data Analysis using Multiobjective Clustering Improved with SVM based Ensemble", A. Mukhopadhyay, U. Maulik and S. Bandyopadhyay, In Silico Biology, 11
- Symmetric Encryption Algorithm, Analysis and Applications:Low Cost based Security, P.K. Jha and J. K. Mandal, 2011, Publisher: LAP- Lambert Academic Publishing, ISBN: 978-3-8454-2061-5
- 639. Steganographic Techniques and Application in Document Authentication An Algorithmic Approach, J. K. Mandal, 2011, Publisher: LAP- Lambert Academic Publishing, ISBN: 978-3-8454-2919-9
- 640. Optimization based Filtering of Random Valued Impulses An Algorithmic Approach, Publisher:, Somnath Mukhopadhyay and J. K. Mandal, 2012, LAP- Lambert Academic Publishing, ISBN: 978-3-8473-7275-2
- 641. <u>www.amse-modeling.com under user of jkm), 512(B)(In press).</u> Authentication of Audio signals through Embedding of Images (AASAI), Mondal U, Mandal, J. K , 2011,

- 642. "Region Based Huffman Compression with Regionwise Multiple Interchange of Codes(RBHM)", Nandi, U., Mandal, J. K, 2011, Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE), France, communicated on line (www.amse-modeling.com under user of jkm), 2777(11), 514(D)(In press).
- 643. <u>www.amse-modeling.com under user of jkm</u>), Dated: 07-05-2011, ID 2778(In press). A Novel <u>Technique of Filtering High Random valued Impulse Noise and Optimization through Genetic</u> <u>Algorithm(HRVINGA)</u>, Mandal, J. K,Mukhopadhyay, S, 2011, Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE), France, communicated on line (
- 644. "Object Oriented Modelling Of IDEA Using GA Based Efficient Key Generation For E-Governance Security (OOMIG)", Arindam Sarkar, S. Karforma and J. K. Mandal, 2012, International Journal of Distributed and Parallel Systems (IJDPS), 3(2), 171-183, DOI : 10.5121/ijdps.2012.3215 171
- 645. "A Bit Level Session Based Encryption Technique to Enhance Information Security", Mandal, J. K., Pal, Manas , 2012, International Journal on Computer Science and Engineering, 04(1), JSSN No.: 2229-5631, e-ISSN: 0975-3397, Indexed
- 646. "A Generic Session Based Bit Level Cryptographic Technique to Enhance Information Security", Mandal, J. K., Pal Manas, 2011, International Journal of Computer Science and Network Security, 11(12), 117-122, Koria, ISSN No.: 1738-7906, Indexed.
- 647. "Transformed IRIS Signature fabricated Authentication in Wavelet based Frequency Domain (TISAWFD)", Sengupta, M and Mandal, J. K., 2011, International Journal of Advanced Research in Computer Science (IJARCS), 2(5), 486-490,http://www.ijarcs.info, ISSN 0976-5697, indexed in: Index Copernicus, DOAJ, Open J Gate, Electronic Journal Library, New Jour, Science central.com, Ulrichs Web, Dayang Journal System, Sept-Oct 2011.
- 648. www.amse-modeling.com under user of jkm), Dated: 07-05-2011, ID 2775, No. 11 513(1B)(In press). Analysis of Change of Landuse Pattern of Large Scale Landuse/Landcover Images, Haldar, P., Mandal, J. K, 2011, Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE), France, communicated on line (
- 649. "Triple SV: A Bit Level Symmetric Block-Cipher Having High Avalanche Effect", Rajdeep Chakraborty, Sonam Agarwal, Sridipta Misra, Vineet Khemka, Sunit Kr Agarwal and J. K. Mandal , 2011, International Journal of Advanced Computer Science and Applications(IJACSA), ISSN 2156-5570 (online), ISSN 2158-107X (print), 2(7),61-68, (HOST, Directory of Open Access Journal (DAOJ), Google Scholar, Journal Seek, Index Copernicus, GEORGETOWN UNIVERSITY LIBRARY, Ulrichsweb, BASE, WorldCat and Powered by Microsoft Research, July 2011.
- 650. "A File based GIS Anchored Information Retrieval Scheme (FBGISIRS) through Vectorization of Raster Map", Chakraborty, A, Mandal, J. K., 2011, International Journal of Advanced Research in Computer Science (IJARCS), ID 1422, 2(4), http://www.ijarcs.info, ISSN 0976-5697, indexed in: Index Copernicus, DOAJ, Open J Gate, Electronic Journal Library, New Jour, Science central.com, Ulrichs Web, Dayang Journal System, July_August 2011.
- 651. "Shuffle_RAT: An FPGA-Baed Iterative Block Cipher", Chakraborty, R, Mandal, J. K., 2011, International Journal of Advanced Research in Computer Science (IJARCS), 2(3), 21-24, http://www.ijarcs.info, ISSN 0976-5697, indexed in: Index Copernicus, DOAJ, Open J Gate, Electronic Journal Library, New Jour, Science central.com, Ulrichs Web, Dayang Journal System, May-June 2011.

- 652. "FPGA Based Cipher Design & Implementation of Recursive Oriented Block Arithmetic and Substitution Technique (ROBAST)", Mandal, J. K., Chakraborty, R, 2011, International Journal of Advanced Computer Science and Application(IJACSA),, (on), 2158-107X(p), 2(4), 54-59, ISSN 2156 5570
- 653. "Secret Code embedded Authentication of Songs(SEAS)", Mondal, U., M, Mandal. J. K, 2012, IEEE National Conference on Emerging Trends and Applications in Computer Science (NCETACS 2012), 29th 31stMarch,2012, St. Anthony College Shilong, India,2012.
- 654. "Cascaded Window based DWM Filter for Removal of RVIN" published in the , Mandal, J. K., Sarkar, A., 2012, proceedings of UGC Sponsored National Conference on Computing and Systems(NaCCS-2012) in Department of Computer Science, University of Burdwan, India 15-16 March, 2012, 158-162 2012, ISBN 93-80813-18-X
- 655. "Watermarking into Imaginary Coefficient of Z Domain(WIZD)", published in the Mandal, J. K., Kanji, R, 2012, proceedings of UGC Sponsored National Conference on Computing and Systems(NaCCS-2012) in Department of Computer Science, University of Burdwan, India 15-16 March, 2012, 219-223, ISBN 93-80813-18-X
- 656. "Separable Discrete Hartley Transform based Embedding for Color Image Authentication(SDHTECIA) published, Mandal, J. K., Ghoshal, S., 2012, proceedings of UGC Sponsored National Conference on Computing and Systems(NaCCS-2012) in Department of Computer Science, University of Burdwan, India, 178-183, ISBN 93-80813-18-X,
- 657. "Performance Analysis of MANET Routing Protocols based on Node Mobility" published, Mandal, J. K., Hasan, K. L, 2012, proceedings of UGC Sponsored National Conference on Computing and Systems(NaCCS-2012) in Department of Computer Science, University of Burdwan,India, , pp.213-218, 2012., ISBN 93-80813-18-X
- 658. Ownership verification in Wavelet Domain(OVWD)", Sengupta, M., Mandal, J. K , published in the proceedings of UGC Sponsored National Conference on Computing and Systems (NaCCS-2012) in Department of Computer Science, University of Burdwan, India, 15-16 March, 2012, ISBN 93-80813-18-X, 224-228
- 659. "Neural Session Key based Triangularized Encryption for Online Wireless Communication (NSKTE)", Mandal, J. K., Sarkar, Arindam, 2012, published in the proceedings of UGC Sponsored National Conference on Computing and Systems (NaCCS-2012) in Department of Computer Science, University of Burdwan, India, 172-177 2012, ISBN 93-80813-18-X
- 660. "Design and Analysis of Recursivly Modulo-2 and Bitwise Operations of Paired Bits (RMBOPB)" published in the proceedings of UGC Sponsored National Symposium on P. K. Jha, J. K. Mandal, 2012, Emerging Trends in Computer Science (ETCS) 2012 in Department of Computer Science, Barrackpur Rastraguru Surendranath College, Organized jointly BRSC_CU_KU, India pp. ... – ..., ISBN 978–81–921808–2–3
- 661. "Authentication in Wavelet Transform Domain through Hough Domain Signature (AWTDHDS)" Sengupta, M, Mandal, J. K , 2012, published in the proceedings of UGC Sponsored National Symposium on Emerging Trends in Computer Science (ETCS) 2012 in Department of Computer Science, Barrackpur Rastraguru Surendranath College, Organized jointly BRSC_CU_KU, India pp. ... – ..., ISBN 978–81–921808–2–3
- 662. "An Image Authentication in Z-Domain (IAZ-D)" published in the , Mandal, J. K, 2012, proceedings of UGC Sponsored National Symposium on Emerging Trends in Computer Science (ETCS) 2012 in Department of Computer Science, Barrackpur Rastraguru Surendranath College, Organized jointly BRSC_CU_KU, India pp., ISBN 978–81–921808–2–3
- 663. "A Novel (2, 2) Visual Cryptographic Technique with Constant Aspect Ratio (VCTCAR)" Mandal, J. K., Ghatak, S,2012, published in the proceedings of UGC Sponsored National Symposium on Emerging Trends in Computer Science (ETCS) 2012 in Department of

Computer Science, Barrackpur Rastraguru Surendranath College, Organized jointly BRSC_CU_KU, India pp. ... – ..., ISBN 978–81–921808–2–3

- 664. , "A GIS based approach to view the Employee's Transfer information using KD Tree", Mandal J. K., Chakraborty, A, et al , 2012,published in the proceedings of UGC Sponsored National Symposium on Emerging Trends in Computer Science (ETCS) 2012 in Department of Computer Science, Barrackpur Rastraguru Surendranath College, Organized jointly BRSC_CU_KU, India, ISBN 978-81-921808-2-3
- 665. "Size Adaptive Region Based Huffman Compression Technique (SARBH)" Mandal, J. K., Nandi, U, 2012, published in the proceedings of UGC Sponsored National Symposium on Emerging Trends in Computer Science (ETCS) 2012 in Department of Computer Science, Barrackpur Rastraguru Surendranath College, Organized jointly BRSC_CU_KU, India, ISBN 978-81-921808-2-3
- 666. "Authentication of images through non convoluted DCT", Sengupta .M, Mandal. J. K , 2011, IEEE 1st International Conference on Communication and Industrial Applications (ICCIA-2011), IEEE Conference ID: 19700, 26th – 28thDecember, 2011, Science City, Kolkata,(Paper Id- 87)
- 667. "Constant Aspect Ratio based (2, 2) Visual Cryptography through Meaningful Shares (CARVCMS))", IEEE 1 st International Conference on Communication and Industrial Applications (ICCIA-2011), IEEE Conference ID: 19700, 26th 28thDecember, 2011, Science City, Kolkata. (Paper Id- 92), 2011.
- 668. "Generation and Fabrication of authenticated song signal through preserving balance ratio of song's components", Mondal, U., M, Mandal. J. K, 2011, IEEE 1st International Conference on Communication and Industrial Applications (ICCIA-2011), IEEE Conference ID: 19700, Science City, Kolkata (Paper Id- 96)
- 669. "A Genetic Algorithm based Steganography in Frequency Domain (GASFD)", Khamrui, A., Mandal. J. K , 2011, IEEE 1st International Conference on Communication and Industrial Applications (ICCIA-2011), IEEE Conference ID: 19700, 26th – 28thDecember, 2011, Science City, Kolkata (Paper Id- 88)
- 670. "An Adaptive Genetic Key based Neural Encryption for Online Wireless Communication (AGKNE)", Mandal. J. K, Sarkar A, 2011, IEEE International Conference on Recent Trends in Information System(ReTIS 2011)", Jadavpur University, Kolkata, India),(Paper Id 66)
- 671. "Edge Preserving Restoration of Random Valued Impulse Noises (EPRRVIN), Mandal. J. K, Mukhopadhyay .S , 2011, IEEE International Conference on Recent Trends in Information System(ReTIS 2011)", Jadavpur University, Kolkata, India), dated: 21st -23rdDecember,2011 (Paper Id 60)
- 672. "A Novel Variable Mask Median Filter for Removal of Random Valued Impulses in Digital Images(VMM)", Mandal. J. K, Mukhopadhyay .S, 2011, International Symposium on Electronic System Design (ISED) 2011 (19-21 December 2011, Kochi, India), 2011. (Paper Id 20)
- 673. "A Message Embedded Authentication of Songs to Verify Intellectual Property Right (MEAS)", Mondal. U. K, Mandal J. K, 2011, International Symposium on Electronic System Design (ISED) 2011 (19-21 December 2011, Kochi, India), 2011. (Paper Id 39).
- 674. "A Novel Technique for Secret Communication through Optimal Shares using Visual Cryptography (SCOSVC)", Mandal .J .K, Ghatak .S, 2011, International Symposium on Electronic System Design (ISED) 2011 (19-21 December 2011, Kochi, India), dated: 15th June, 2011. (Paper Id 40)
- 675. "Image Authentication using Hough Transform generated Self Signature in DCT based Frequency Domain (IAHTSSDCT)", Sengupta .M, Mandal. J. K, 2011, International

Symposium on Electronic System Design (ISED) 2011 (19-21 December 2011, Kochi, India),2011. (Paper Id- 67).

- 676. "A Data- Hiding Scheme for Digital Image using Pixel Value Differencing (DHPVD)", Mandal . J .K, Khamrui . 2011, A International Symposium on Electronic System Design (ISED) 2011 (19-21 December 2011, Kochi, India), (Paper Id 70)(accepted)
- 677. "A Novel Fuzzy-GIS Model based on Delaunay Triangulation to Forecast Facility Locations (FGISFFL)", Roy .P, Mandal .J. K, , 2011,International Symposium on Electronic System Design (ISED) 2011 (19-21 December 2011, Kochi, India, (Paper Id 72) (accepted)
- 678. "A Steganographic Scheme for Colour Image Authentication (SSCIA)" IEEE International Conference on Recent Trends in Information Technology (ICRTIT 2011)", Mandal, J. K.(coauthor) et al, 2011, IEEE Catalog: CFP1122P-CDR, ISBN: 978-1-4577-0589-2,June 3-5, 2011, PP. 826-831, Madras Institute of Technology, Anna University, Chennai, India, Paper ID-303
- 679. "Self Authentication of color images through Discrete Cosine Transformation (SADCT)", IEEE International Conference on Recent Trends in Information Technology (ICRTIT 2011), IEEE International Conference on Recent Trends in Information Technology (ICRTIT 2011)", Mandal, J. K., Madhumita Sengupta, IEEE Catalog: CFP1122P-CDR, 832-836, ISBN: 978-1-4577-0589-2 Madras Institute of Technology, Anna University, Chennai, India, Paper ID-305,2011
- 680. "Song Authentication Technique through Concealment of Secret Song (SATCon)", IEEE International Conference on Recent Trends in Information Technology (ICRTIT 2011 IEEE International Conference on Recent Trends in Information Technology (ICRTIT 2011)", Mandal, J. K., Uttam Mondal, 2011, IEEE Catalog: CFP1122P-CDR, 145-150, ISBN: 978-1-4577-0589-2 Madras Institute of Technology, Anna University, Chennai, India, Paper ID-306,2011
- 681. "An Adaptive Neural Network Guided Secret Key based Encryption through Recursive Positional Modlo-2 Substitution for Online Wireless Communication", International Conference on Recent Trends in Information Technology (ICRTIT 2011), Mandal, J. K., Arindam Sarkar, 2011, IEEE International Conference on Recent Trends in Information Technology (ICRTIT 2011)", IEEE Catalog: CFP1122P-CDR, 107-112, ISBN: 978-1-4577-0589-2, Madras Institute of Technology, Anna University, Chennai, India, Paper ID-307,2011
- 682. "Secret Image / Message Transmission through Meaningful Shares using (2, 2) Visual Cryptography (SITMSVC) International Conference on Recent Trends in Information Technology (ICRTIT 2011), Mandal, J. K., Subhankar Ghatak, 2011,IEEE International Conference on Recent Trends in Information Technology (ICRTIT 2011)", IEEE Catalog: CFP1122P-CDR, 263-268, ISBN: 978-1-4577-0589-2, Madras Institute of Technology, Anna University, Chennai, India, Paper ID-474,2011
- 683. "Windowed Huffman Coding with limited distinct symbols", C3IT 2012, 2nd International Conference on Computer, Utpal Nandi and J K Mandal, 2012, Communication, Control and Information Technology, Procedia Technology, Elsevier.
- 684. "A High Payload Steganographic Technique for Color Images (HPST)", Jyotsna Kumar Mandal and Sudipta Ghoshal, 2012, The International Conference on Information Systems Design and Intelligent Applications-2012,(INDIA-2012), 65-70, USISBN:978-981-07-1158-0.
- 685. "Visual Cryptographic Protocol through Transform based Encoding Embedded into Meaningful Shares (VCPTE)", Jyotsna Kumar Mandal and Subhankar Ghatak, 2012, The International Conference on Information Systems Design and Intelligent Applications-2012(INDIA-2012), US-ISBN: 978-981-07-1158-0,5-7

- 686. "Efficient Hardware Realization of Triple Data Encryption Standard (TDES) Algorithm using Spartan-3E FPGA", Rajdeep Chakraborty, Sridipta Misra, Sunit Kumar Agarwal, Vineet Khemka, Sonam Agarwal and J. K. Mandal, 2011, International Conference on Issues and Challenges in Networking, Intelligence and Computing (ICNICT 2011),2-3 September, 2011,Ghaziabad, Department of Computer Science and Engineering, Krishna Institute of Engineering and Technology (KIET), India,Computer Society of India (Ghaziabad Chapter), International Neural Network Society (India Regional Chapter), International Journal of Advanced Research in Computer Science and Ubiquitous Computing and Communication Journal, and published by Nandani Prakashan Pvt. Ltd., New Delhi
- 687. "Key Based Bit Level Genetic Cryptographic Technique (KBGCT)", Mandal, J. K., Som, S. et al, 2011, 11th International Conference on Hybrid Intelligent Systems, Universiti Teknikal Malaysia Melaka, Melaka, Malaysia.
- 688. Placement of k Disjoint Isothetic Unit Squares to Maximize Points Containment}, Priya Ranjan Sinha Mahapatra, 2011, International Journal of Advance Research in Computer Science}, 2(2), ISSN 0976-5697
- 689. Enclosing Problem on Two Dimensional Point Set, Priya Ranjan Sinha Mahapatra, 2011, International Journal of Advance Research in Computer Science, 2(2), ISSN 0976-5697
- 690. A visit on Maximum Covering and Annulus Problem, Priya Ranjan Sinha Mahapatra,2011, International Journal of Advance Research in Computer Science, , 2(3), ISSN 0976-5697
- 691. An O(*n*2) Algorithm to Compute a Square that contains at least k\$points, Priya Ranjan Sinha Mahapatra, 2011,International Journal of Advance Research in Computer Science, 2(2), ISSN 0976-5697
- 692. Design of Fully Digital Controlled Reconfigurable Dual-Beam Concentric Ring Array Antenna using Gravitational Search Algorithm, A. Chatterjee and G. K. Mahanti and Priya Ranjan Sinha Mahapatra, , 2011, Progress In Electromagnetics Research C, PIER C, 18, 59– 72, ISSN: 1937-8718,
- 693. A. Chatterjee and G. K. Mahanti and Priya Ranjan Sinha Mahapatra, International Journal of Microwave and Optical Technology, International Journal of Microwave and Optical Technology, ISSN 1553-0396, Vol. 1, No. 1, pp. 57--62, 2011.
- 694. Classical Knapsack to Geometric Knapsack: A Mapping, Priya Ranjan Sinha Mahapatra , 2011,3rd International Conference on Electronics Computer Technology(ICECT 2011), IEEE, Kanyakumari, Tamilnadu
- 695. Classical Knapsack to Geometric Knapsack: A Mapping, Priya Ranjan Sinha Mahapatra, 2011, 3rd International Conference on Electronics Computer Technology(ICECT 2011), IEEE, Kanyakumari, Tamilnadu.
- 696. Minimum-width Rectangular Annulus, Joydeep Mukherjee, Priya Ranjan Sinha Mahapatra, Arindam Karmakar and Sandip Das, 2011, Proc. of Fifth International Frontiers of Algorithmics Workshop (FAW 2011) and the Seventh International Conference on Algorithmic Aspects of Information and Management (AAIM 2011) in cooperation with SIAM, Zhejiang Normal University, Jinhua, China, LNCS(Springer), 6681 364--374
- 697. k-Enclosing Axis-parallel Square, Priya Ranjan Sinha Mahapatra, Arindam Karmakar, Sandip Das and Partha P. Goswami, 2011, Proc. of 11th International Conference on Computational Science and Applications (ICCSA 2011), University of Cantabria, Santander, Spain, LNCS(Springer), 6784
- 698. Generation of Phaseonly Pencil-beam Pair from Concentric Ring Array Antenna Using Gravitational Search Algorithm}, A. Chatterjee, G. K. Mahanti and Priya Ranjan Sinha Mahapatra , 2011, In Proc. of the International Conference on Communications and Signal Processing (ICCSP2011)}, February 10-12, NIT, Calicut, 384--388

- 699. Design of Phasedifferentiated Dual-beam Concentric Ring Array Antenna using Differential Evolution Algorithm, A. Chatterjee, G. K. Mahanti and Priya Ranjan Sinha Mahapatra, 2011, In the proceedings of International Conference on Communications and Signal Processing(ICCSP2011), February 10--12, NIT, Calicut, 280--283
- 700. "Minimization of Handoff Failure by Introducing a New Cell Coverage Area in the Handoff Region", Debabrata Sarddar, Shubhajeet Chatterjee, Ramesh Jana, Shaik Sahil Babu, Prabir Kr, Naskar, Utpal Biswas and M.K.Naskar, 2011, International Journal of Computer Science issues (IJCSI), 08(1), 577-583, ISSN (Online): 1694-0814.
- 701. "Minimization of Handoff Latency by Vector Analysis Method", Debabrata Sarddar, Shubhajeet Chatterjee, Ramesh Jana, Hari Narayan Khan, Shaik Sahil Babu, Hari Narayan Khan, Utpal Biswas and M.K.Naskar, 2011, International Journal of Computer Science issues (IJCSI). 08(1), 570-576, ISSN (Online): 1694-0814.
- 702. "Fast Handoff Implementation by using Curve Fitting Equation With Help of GPS", Debabrata Sarddar, Shubhajeet Chatterjee, Ramesh Jana, Shaik Sahil Babu, Hari Narayan Khan, Utpal Biswas and M.K.Naskar, International Journal of Computer Science issues (IJCSI) 08(03), 535-542, ISSN (Online): 1694-0814.
- 703. "Minimization of Call Blocking Probability by Using an Adaptive Heterogeneous Channel Allocation Scheme for Next Generation Wireless Handoff Systems", Debabrata Sarddar, Arnab Raha, Shubhajeet Chatterjee, Ramesh Jana, Shaik Sahil Babu, Prabir Kr, Naskar, Utpal Biswas and M.K.Naskar, 2011, International Journal of Computer O3), 1, 472-477, ISSN (Online): 1694-0814
- 704. "Fast Handoff Mechanism in Wireless Local Area Networks (WLAN) using Neighbor Graph Algorithm", Debabrata Sarddar, Papri Mani, Utpal Biswas and M.K.Naskar, 2011, International Journal of Computer Application (0975-8887) 25(9), 36-40.
- 705. "Minimization of Call Blocking Probability using Auxiliary Stations", Debabrata Sarddar, Shubhajeet Chatterjee, Mandovi Mukherjee, Sreya Mallik, Pulak Mazumder, Utpal Biswas and M.K.Naskar, 2011, International Journal of Computer Application (0975-8887) 25(7), 50-56
- 706. "Minimization of Handoff Latency by Directional Tangent Method using GPS based Map", Debabrata Sarddar, Shubhajeet Chatterjee, Pulak Mazumder, Rashmi Ranjan Sahoo, Madhurendra Kumar, Utpal Biswas and M.K.Naskar, 2011, International Journal of Computer Application (0975-8887) 25(6), 1-7
- 707. "Minimization of Handoff Latency by Cell Sectoring Method using GPS", Debabrata Sarddar, Shubhajeet Chatterjee, Mandovi Mukherjee, Sreya Mallik, Pulak Mazumder, Utpal Biswas and M.K.Naskar, 2011, International Journal of Computer Application (0975-8887), 25(4), 22-29.
- 708. "Improvement of Handoff Latency by GPS based Handoff Technique", Debabrata Sarddar, Shubhajeet Chatterjee, Pingakshya Goswami, Sumon Kr. Bose, Shaik Sahil Babu, Utpal Biswas and M.K.Naskar, 2011,International Journal of Computer Application (0975-8887), 25(4),14-20
- 709. "Linked Data Generation for the University data from the Legacy Database" International Journal of Web and Semantic Technology" Arup Sarkar, Ujjal Marjit and Utpal Biswas, 2011, AIRCC, 2(3), 21-31, ISSN 0975-9026 (On-line) 0976-2280 (Print).
- 710. "Fast Handoff Implementation by usinf Geometrical Mathematical Models and Carrier to Interference Ratio based Handoff Algorithm", Debabrata Sarddar, Shubhajeet Chatterjee, Pulak Mazumder, Arnab Raha, Sreya Mallik, Utpal Biswas and Mrinal Kanti Naskar, 2011, International Journal of Computer Application (0975-8887), 27(6), 1-9
- 711. "Security of Handoff Latency by Prescanning with help of Neighbourgraph", Debabrata Sarddar, Shubhajeet Chatterjee, Pulak Mazumder, Arnab Raha, Karmajyoti Panigrahi, Utpal Biswas and Mrinal Kanti Naskar, 2011,International Journal of Computer Application (0975-8887) 27(1), 41-46

- 712. "Improved Handoff Efficiency with the help of Neighbour Graph using Carrier to Interference Ratio", Debabrata Sarddar, Shubhajeet Chatterjee, Pulak Mazumder, Arnab Raha, Mandovi Mukherjee, Utpal Biswas and Mrinal Kanti Naskar, 2011, International Journal of Computer Application (0975-8887), 27(1), 34-40
- 713. "An Improved Handoff Technique to Reduce Minimization of Handoff Failure Probability by Using Mother Cell Child Cell Concept", Debabrata Sarddar, Shubhajeet Chatterjee, Arnab Raha, Mustque Ahmed, Pulak Mazumder, Utpal Biswas and M.K. Naskar, 2011,CiiT International Journal of Programmable Device Circuits and Systems 3(10), 542-549
- 714. "An Improved Handoff Technique to Reduce Handoff Latency with help of GPS Technology", Debabrata Sarddar, Shubhajeet Chatterjee, Arnab Raha, Karmajyoti Panigrahi, Pulak Mazumder, Utpal Biswas and M.K. Naskar, 2011, CiiT International Journal of Programmable Device Circuits and Systems 3(10), 641-648.
- 715. "Minimization of Handoff Latency by Using GPS Based AP (Access Point) Map", Debabrata Sarddar, Shubhajeet Chatterjee, Papri Mani, Pulak Mazumder, Sandip Kr. Bala, Utpal Biswas and M.K. Naskar, 2011, CiiT International Journal of Programmable Device Circuits and Systems, 3(12), 851-857
- 716. "A Middleware Architecture for Secure Service Discovery Using Ontologies with Multiagent Approach", (2011), Arup Sarkar, Ujjal Marjit and Utpal Biswas, 2011, International Journal of Information Systems & Social Change, IGI Global. (Accepted).
- 717. "Approaches to Developing Semantic Web Service Based E-Governance" Ujjal Marjit, Subhragsu Santra and Utpal Biswas, Proceedings 3rd International Conference on IT and Business Intelligence (ITBI-2011), 123-127, Hyderabad, India, ISBN-978-93-81583-11-1.
- 718. "Smart Key Selection Model & Encryption-Decryption Algorithm For Cloud Computing", Kushal Dutta, Chinmoy Tarafdar, Ramendu Bikash Guin, Sourav Banerjee and Utpal Biswas, 2011, 3rd International Conference on IT and Business Intelligence 2011(ITBI -2011), 45-48, Hyderabad, India, ISBN: 978-93-81583-11-1.
- 719. "A Smart Architectural concept for Making of a University Education System using Cloud Computing Paradigm", Ramendu Bikash Guin, Sourav Banerjee, Sourav Mandal, Chinmoy Tarafdar, Sayan Chakrabarti and Utpal Biswas, 2011, World Congress On Information and Communication Technologies (WICT 2011), Mumbai, India. (To be published in IEEE Xplore.)
- 720. "Developing and Simulation of an Advanced Job Scheduling System for Cloud computing Service Providers and Users", Ramendu Bikash Guin, Chinmoy Tarafdar, Sayan Chakrabarti, Sourav Banerjee and Utpal Biswas, 2011 IEEE International Conference on Computational Intelligence and Computing Research (ICCIC-2011), Kanyakumari, Tamilnadu, India, pp. 1083-1089, IEEE Xplore: CFB1120J-ART ISBN: 978-1-61284-694-1, Print Version: CFB1120J-PRT, ISBN: 978-1-61284-766-5 (To be published in IEEE Xplore).
- 721. "Automatic Link Generation for the RDF Dump file: A Minimalistic Approach" P Arup Sarkar, Ujjal Marjit and Utpal Biswas, 2011, proceedings of InconINDIA-2012, AISC 132, 731-738, Springer-Verleg Heidelberg, Vishakhapatnam, India.

DEPARTMENT OF ENGINEERING, TECHNOOGY STUDIES

- 722. "Fault-Tolerant and Non Adaptive Wormhole Routing Algorithm for Multi Mesh Network," A. Datta and M. De, 2012, International Journal of Computer Technology and Electronics Engineering (IJCTEE), 2(3), 1-9, ISSN: 2249-6343.
- 723. "A Comparative Study on the performance of Fuzzy Logic, Bayesian Logic and Neural Networks Towards Decision-making, D. Singh, J. P. Choudhury and M.De, 2012, *Int. J.*

- 724. Effect of periodicity and Arm-Width of E and L Slots on the Compactness of FSS IJECT, R.Ghosh, S.Sarkar, D.Sarkar, P.P.Sarkar, 2012,3(1), ISSN: 2230-9543
- 725. An Improved Gauss-Newtons Method based Back propagation Algorithm for Fast Convergence International Journal of Computer Applications (0975-8887), S.Nandi, P.P.Sarkar, A.Das, 2012, 39(8)
- 726. Study of Frequency Tuning Characteristic of a Microstrip Patch Antenna Operating at Dual Resonant Frequency, by Modifying the Slot, Loaded in the Ground Plane, S.Sarkar, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Journal of Soft Computing & Engineering), 1(6)
- 727. An Investigation on Bandwidth Enhancement due to Change in Substrate Dimension of Monopole Microstrip Antenna, I.Sarkar, P.P.Sarkar, S.K.Chowdhury,2011, International Journal of Electronics & Communication Technology(IJECT) 2(4)
- 728. Bandwidth enhancement of microstrip antennas by staggering effect, K. Mondal, S.Sarkar, P.P.Sarkar, 2011, M.O.T.L., 53(10)
- 729. A dualband monopole microstrip antenna, I.Sarkar, P.P Sarkar, S.K Chowdhury , 2011, M.O.T.L, 53(9)
- 730. Comparison and analysis of watermarking algorithms in colour images-Image security paradigm. International journal of Computer Sc. & Information Technology(IJCSIT), D.Biswas,S.Biswas,P.P.Sarkar,D.Sarkar,S.Banerjee,A.Pal, 3(3).
- 731. Size reduction of rectangular microstrip patch antenna using slit loaded ground plane. S.Sarkar, P.P.Sarkar, 2011, International Journal of electronics & telecommunication Technology, 2(2)
- 732. XML mining using Genetic algorithm, S.Ghosh, P.P.Sarkar et.al, Journal of global research in Computer Science, 2011, 2(5).
- 733. Investigations on Ultra Wide Band Array Antennas with very high Gain., M.Kahar, A.Ray, D.Sarkar, P.P.Sarkar, 2012, All India Inter Engineering College Academic Meet.Organised by FOSET(Best paper).
- 734. Wideband Bidirectional Planar Shorted Circular Monopole Antenna International Conference on Computer, Communication, S.Mondal, P.P.Sarkar, 2012, Control and Information Technology(C3IT-2012).
- 735. Design and Analysis of a Compact Rectangular Microstrip Antenna with slots using Defective Ground Structure, A.DasInternational Conference on Computer, Communication, M.Chakraborty, B.Rana, P.P.Sarkar, 2012, Control and Information Technology(C3IT-2012)
- 736. Tunable Microstrip Antenna design with multifaceted ability: Compactness, wideband, and Multi-frequency Operation, S.Sarkar, S.De, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Conference on Computer, Communication, Control and Information Technology(C3IT-2012).
- 737. Patch Type FSS with Gridded Rectangular Loop, R.Ghosh,D.Sarkar,P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century(E2NC-2012),February 03-04,2012 held in Mankundu
- 738. A Compact Microstrip Antenna Using Cross SlotS, De, D.Sarkar, P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century(E2NC-2012), February 03-04,2012 held in Mankundu..

739.

740. A Honey-Comb Frequency Selective Surface for GPS and Wi-Max Applications, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century (E2NC-2012), February 03-04, 2012, held in Mankundu..

New Century(E2NC-2012), February 03-04, 2012, held in Mankundu.

- 741. Square patch with different types of slots as FSSs, R.Ray, D.Sarkar, P.P.Sarkar, 2012, 4th International conference on 'Recent advances in Mathematics, technology and Managemrnt', 21-22 Jan, 2012, BITM, Santiniketan.
- 742. An electrically small impedance matched multi-resonating microstrip antenna design, M.Kahar, A.Ray, S.Biswas, P.P.Sarkar, 2012, 4th Int. Con. on 'Recent advances in Math, Tech. and Mgmnt', 21-22 Jan, 2012, BITM.
- 743. Ultra-wide and Multi band single substrate layer, double metallic plane FSSA.Ray, M.Kahar, D.Sarkar, P.P.Sarkar, 2012, 4th International conference on 'Recent advances in Mathematics, technology and Managemrnt',21-22 Jan,2012,BITM,Santiniketan.
- 744. Analysis of a novel shaped Microstrip Patch Antenna with Multiple Resonating FrequenciesA. Pattanayak, A. Chatterjee, S. Nandi, T. Mondal, P. P. Sarkar, 2011, International Conference on Communication & Industrial Application. Dec.-2011. Orgn. by JIS group, held in Science City IEEE exploder, ISBN: 978-1-4577-1915-8.
- 745. Secured Image transmission with GA based Audio Steganograghy, K.Bhowal,S.Biswas,D.Sarkar, P.P.Sarkar, 2011, Indicon IEEE Conference, held in Hyderabad
- 746. A Compact Frequency Selective Surface Comprising of Array of Square Patch with Rectangular Slits, P.Samaddar, R Roy, P.Pradhan, D.C.Sarkar, P.P.Sarkar, 2011, International Conference on Communication & Industrial Application. Orgn. by JIS group, held in Science City.
- 747. Analysis of a Novel Shaped Microstrip Patch Antenna With Multiple Resonating Freuencies, Pattanayak, A.Chatterjee, Sourav Nandi, Tanumay Mandal, P.P.Sarkar, 2011, International Conference on Communication & Industrial Application, Orgn. By JIS group, held in Science City.
- 748. Polarization Independent Compact Multi-Band FSSA, Chaterjee, S.Biswas, D.Sarkar, P.P.Sarkar, 2011, Institute of Technology, Nirma University, Ahmedabad-382441
- 749. A Review on Slit Loaded Compact Microstrip Antenna for Dual Frequency Operation, S.Sarkar, A.Ray, P.P.Sarkar, 2011, International Conference on Laser, Material Science & Communication, The University of Burdwan, Dept. of Physics
- 750. Design of a broadband, compact, polarization independent frequency selective surface, A.Ray, M.Kahar, S.Sarkar, D.Sarkar, P.P.Sarkar, 2011, International Conference on Laser, Material Science & Communication, The University of Burdwan, Dept. of Physics
- 751. Study of Frequency Tuning Characteristic of a Microstrip Patch Antenna Operating at Dual Resonant Frequency, by Modifying the Slot, Loaded in the Ground Plane, S.Sarkar, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Journal of Soft Computing & Engineering); 1(6)
- 752. Comparison and analysis of watermarking algorithms in colour images-Image security paradigm, D.Biswas, S.Biswas, P.P.Sarkar, D.Sarkar, S.Banerjee, A.Pal, 2011, International journal of Computer Sc. & Information Technology(IJCSIT), 3(3)
- 753. Size reduction of rectangular microstrip patch antenna using slit loaded ground plane, 2011, International Journal of electronics & telecommunication Technology, 2(2).
- 754. XML mining using Genetic algorithm. Journal of global research in Computer Science, S.Ghosh, S.Biswas, P.P.Sarkar et.al, 2(5).

2015

- 755. A Tunable Microstrip Antenna design with multifaceted ability: Compactness, wideband, and Multi-frequency Operation, S.Sarkar, S.De, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Conference on Computer, Communication, Control and Information Technology(C3IT-2012).
- 756. A Honey-Comb Frequency Selective Surface for GPS and Wi-Max Applications, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century(E2NC-2012).
- 757. An electrically small impedance matched multi-resonating microstrip antenna design, M.Kahar, A.Ray, S.Biswas, P.P.Sarkar, 2012, 4th Int. Con. on 'Recent advances in Math, Tech. and Mgmnt'.
- 758. Secured Image transmission with GA based Audio Steganograghy K.Bhowal,S.Biswas,D.Sarkar, P.P.Sarkar Indicon IEEE Conference,Dec.2011,held in Hyderabad
- 759. A Polarization Independent Compact Multi-Band FSS, A.Chaterjee, S.Biswas, D.Sarkar, P.P.Sarkar, 2011, Institute of Technology, Nirma University, Ahmedabad-382441
- 760. "A comparative Study of Different Techniques for Prime Testing in Implementation of RSA", Banerjee, K., Mandal, S. N. and Das, S., 2012, IEM Int. J. Management & Technology, 2(2), 42-47, ISSN: 2296-6611.
- 761. Effect of periodicity and Arm-Width of E and L Slots on the Compactness of FSS IJECT, R.Ghosh, S.Sarkar, D.Sarkar, P.P.Sarkar, 2012, 3(1), ISSN: 2230-9543
- 762. Study of Frequency Tuning Characteristic of a Microstrip Patch Antenna Operating at Dual Resonant Frequency, by Modifying the Slot, Loaded in the Ground Plane, S.Sarkar, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Journal of Soft Computing & Engineering); 1(6).
- 763. Comparison and analysis of watermarking algorithms in colour images-Image security paradigm D.Biswas, S.Biswas, P.P.Sarkar, D.Sarkar, S.Banerjee, A.Pal, 2011, International journal of Computer Sc. & Information Technology(IJCSIT), 3(3).
- 764. XML mining using Genetic algorithm. Journal of global research in Computer Science, S.Ghosh, D.Sarkar P.P.Sarkar et.al., 2(5).
- 765. Investigations on Ultra Wide Band Array Antennas with very high Gain, M.Kahar, A.Ray, D.Sarkar, P.P.Sarkar, 2012, All India Inter Engineering College Academic Meet. Organised by FOSET(Best paper).
- 766. A Tunable Microstrip Antenna design with multifaceted ability: Compactness, wideband, and Multi-frequency Operation, S.Sarkar, S.De, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Conference on Computer, Communication, Control and Information Technology(C3IT-2012).
- 767. Patch Type FSS with Gridded Rectangular Loop, R.Ghosh,D.Sarkar,P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century(E2NC-2012).
- 768. A Compact Microstrip Antenna Using Cross Slot, S.De, D.Sarkar, P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century(E2NC-2012)
- 769. Single-feed Tetra-Frequency Compact Microstrip Antenna with a Novel Slot, M.Kahar, A.Ray, D.Sarkar, P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century(E2NC-2012)
- 770. A Honey-Comb Frequency Selective Surface for GPS and Wi-Max Applications, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, 2012, International Conference on Engineering Education in the New Century(E2NC-2012)
- 771. Square patch with different types of slots as FSSs, R.Ray, D.Sarkar, P.P.Sarkar, 4th International conference on 'Recent advances in Mathematics, technology and Managemrnt.

- 772. .Ultra-wide and Multi band single substrate layer, double metallic plane FSSA.Ray, M.Kahar, D.Sarkar, P.P.Sarkar, 2012, 4th International conference on 'Recent advances in Mathematics, technology and Managemrnt.
- 773. Secured Image transmission with GA based Audio Steganograghy, K.Bhowal,S.Biswas,D.Sarkar, P.P.Sarkar, 2011, Indicon IEEE Conference
- 774. A Compact Frequency Selective Surface Comprising of Array of Square Patch with Rectangular Slits, P.Samaddar, R Roy, P.Pradhan, D.C.Sarkar, P.P.Sarkar, 2011,International Conference on Communication & Industrial Application
- 775. A Polarization Independent Compact Multi-Band FSSA, Chaterjee, S. Biswas, D. Sarkar, P.P. Sarkar, 2011, Institute of Technology, Nirma University, Ahmedabad-382441
- 776. Design of a broadband, compact, polarization independent frequency selective surface. A.Ray, M.Kahar, S.Sarkar, D.Sarkar, P.P.Sarkar, 2011, International Conference on Laser, Material Science & Communication, The University of Burdwan, Dept. of Physic.
- 777. Steganographic Techniques and Application in Document Authentication, Nabin Ghoshal, LAP LAMBERT Academic Publishing, German, 194, ISBN 978-3-8454-2919-9, 13th Chapters.
- 778. "Transform Domain based Steganographic Technique for Image Authentication (TDSTIA)", Ghoshal N., 2012, International Journal of Advanced Research in Computer Science, 3(2), 154 – 159, ISSN 0976-5697
- 779. "A Model for Legal Document Authentication (MLDA)", Ghoshal N, 2012, International Journal of Advanced Research in Computer Science, 3(2), 106 110, ISSN 0976-5697
- 780. "Steganographic Technique in Z-Domain for Image Authentication (STZ-DIA)", Ghoshal N , 2012, International Journal of Advanced Research in Computer Science, 3(2), 35 – 40, ISSN 0976-5697
- 781. "An Image Authentication in Z-Domain (IAZ-D)", Ghoshal N., Mandal J. K. 2012, UGC sponsored National Symposium on Emerging Trend in Computer Science ETCS-2012, 66-70, ISBN: 978-81-921808-2-3, Barrackpore Rastraguru Surendranath College (PG Section) in collaboration with Department of Computer Science and Engineering, University of Calcutta and University of Kalyani, January 20th 21st, 2012.
- 782. "A Steganographic Scheme for Colour Image Authentication (SSCIA)", Ghoshal N., Mandal J. K, 2011, IEEE International Conference on Recent Trends in Information Technology, ICRTIT-2011, 826-831, ISBN: 978-1-4577-0590-8/11, Madras Institute of Technology, Anna University, Chennai, India.
- 783. "A Steganographic Scheme for Colour Image Authentication using Z-transform (SSCIAZ)", Ghoshal N., Mandal J. K, 2012, Springer International Conference on Information system design and Intelligent Applications, INDIA-2012, 209-216
- 784. ISBN: 978-1-4577-0590-8/11, CSI, Visakhapatnam Chapter in association with Visakhapatnam Steel Plant.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- 785. Performance of constructed wetlands in the reduction of cadmium in a sewage treatment cum fish farm at Kalyani, Rana S., Jana J., Bag, S., Mukherjee (Roy), S., Biswas, J. K., Ganguly (Lahiri), S., Sarkar (Paria) D. and B. B. Jana, 2011, West Bengal, India. Ecological Engineering, 37 (12), 2096-2100, Impact Factor : 3.106
- 786. Cadmium tolerance and antibiotic resistance in *Escherichia coli* isolated from wastewater stabilization ponds, Patra, S., Das, T.K., Avila, C., Cabello, V., Castillo, F., Sarkar (Paria), D.,

Lahiri(Ganguly), S. and Jana, B.B., 2012, Indian Journal of Experimental Biology 50:300-307 Impact Factor : 1.295

- 787. Indian carp polyculture integrated with duck and poultry: Ecological and economic benefits, Sarkar (Paria), D., S. Bag, C. Pradhan, S. Lahiri (Ganguly), S. Jana and B. B. Jana. 2011, Indian Journal of Animal Sciences. 81 (7), 773-780.
- 788. Breastfeeding and Baby Food (Stanyapan o Shishur Aahar) (in Bengali) written, S. K. Biswas and J.K. Biswas.
- 789. Nature and Environment: In Rabindranatj's Words and Thoughts (Prakriti o Paribesh: Rabindranather Bhashay o Bhabnay, J.K. Biswas, 2012, In: Rabindranath: Rayechha Nayane Nayaneer Edited by B. Goswami. Ecological impacts of climate change on aquatic ecosystems and fishery resources. (in press).
- 790. Performance of constructed wetlands in the reduction of cadmium in a sewage treatment cum fish farm at Kalyani, West Bengal, India Rana, S., J. Jana, S.K., Bag, S.Mukherjee (Roy), J.K. Biswas, S. Ganguly (Lahiri), D. Sarkar (Paria) and B.B. Jana. 2011, *Ecological Engineering* 37: 2096-2100. (Elsevier; ISSN: 0925-8574; Impact Factor: 3.106)
- 791. Seasonal distribution of cadmium among components of sewage treatment ponds : An ecotech for heavy metal remediation, Rana, S., Bag S. K. and J. K. Biswas, *International Journal of Environmental Science and Technology* (in press) (Springer, ISSN: 1735-1472; Impact Factor: 3.157).
- 792. Rabindranath Tagore's thoughts on nature and environment, Biswas, J.K. 2011, Academic Spectrum 2(2), 1-9, (ISSN: 0976-9323)
- 793. Vivekananda's vision in the light of environmental ethics, Biswas, J.K. 2011, Academic Spectrum 2(3), 1-6, (ISSN: 0976-9323).
- 794. Indian Journal of Animal Sciences, Jayanta Kumar Biswas
- 795. Warming-induced marine ecological meltdown: The Warning Fingerprints of global climate change, J.K. Biswas, 2012, Proceedings of National Seminar on *Climate Change and its Impact on Common People*, 13-15.
- 796. Recovery and recycling of phosphorus of eutrophic pond sludge through amendment with mesotrophic pond soil: Significance of CNP ratio manipulation on microbemediated phosphorus regime and biological productivity J.K. Biswas, B.B. Jana. 2011, Proceedings of International Conference on *Solid Waste Management* (ICONSWM), 363-368.
- 797. Eight articles on different issues of popular science and environment published in different little magazines and periodicals, J.K. Biswas

DEPARTMENT OF RURAL DEVELOPMENT AND MANAGEMENT

- **798.** The Pratichi Health Report: The Delivery of Primary Health Services, **Subhrangsu Santra**, A Study in West Bengal and Jharkhand; With an introduction by Professor Amartya Sen, TLM Books in association with Pratichi (India) Trust, Delhi, an imprint of Indigo Publishing Pvt. Ltd., 134, ISBN:81-88297-03-8
- **799.** Pratichi Shisha Pratibedan (Bengali), **Subhrangsu Santra**, *Bhumika:* Professor Amartya Sen, Dey's Publishing, Kolkata. ISBN:81-295-0316-6
- **800.** Cooked Mid-Day Meal Programme in west Bengal : A study in Birbhum District, <u>www.righttofoodindia.org,m</u>, **Subhrangsu Santra**
- **801.** Shiksha O Muslim Prasangha, **Subhrangsu Santra**, Paschimbange Musalman: Ekti Parikrama (ed), Camp, 2B, Shyamacharan De Street, Kol-73 and Prashnabachi, 16B, Madan Chatterjee Lane, Kol-7, 41-49, ISBN:8186883-63-0

- **803.** Child Labour: An Experience from a Tribal Case Study, **Subhrangsu Santra**, Child Labour (ed) Y.S.Reddy, Anmol Publication, New Delhi, 199-209, ISBN:81-261-0258-6
- **804.** Communication Lapses in Rural Energy Programme, **Subhrangsu Santra**, Development Communication in Rural Sector (ed) Printsasia, Abhijit Publication, Kol, ISBN:8189886223
- **805.** Translation : A Chapter of a book "The Argumentative Indian', **Subhrangsu Santra**, written by Professor Amartya Sen, *Tarka Prio Bharatia*, (Bengali) Ananda Publishers, Ananda Pvt. Ltd. Kol-9, ISBN:81-7756-684
- 806. "Means of Livelihood among the Weaver Community of Shantipur of Nadia District" Subhragsu Santra, 2012, Pradipta Dubey Published in International Journal of Current Research and Review <u>www.ijcrr.com</u>, 04(06), 166-173
- 807. "A Novel Semantic Web Service Based Approach to One-Stop portal for E-Governance", Subhrangsu Santra, 2012, International Journal on Computer Engineering and Information Technology (IJCEIT), Published by SERC, 9(14), 41-46, ISSN: 09742034
- 808. "Multi-Agent Based Service-Oriented Middleware for E-Governance: A Semantic Web Service Based Approach" Subhrangsu Santra, International Journal for Engineering Technology and Management, 1, 34-39, ISSN: 09749535
- 809. "A Goal Driven Framework for Service Discovery in Service-Oriented Architecture: A Multi-Agent Based Approach", Subhrangsu Santra, 2010, International Journal of Computer and Communication Technology, 2010, Published by IPM Pvt Ltd Inter science Campus, 2, 251-256, ISSN: 0975-7449
- 810. The Joy of Flying. The Little Magazine, TLM Books, Delhi, 2005. ISSN:09727108 .Science Teaching Amenities In Some Rural Secondary Schools And Role Of NCRI, Subhrangsu Santra, Journal of Social Science, Paharwali, Chawri Bazar, Delhi GPO, Delhi 110006,India, 7, 311-314, ISSN:0971-8923
- 811. Developmental Effort to Restore Environment and People: A Study of its Efficacy, Subhrangsu Santra, Environment And people, Hyderabad, Jan-Feb 2002, 11-15
- Constrains To People's Participation: An Observation, Subhrangsu Santra, Man And Life, 29(1&2) 73-84, ISSN:09724109, Kolkata, Jan June, 2003.73-84, ISSN:09724109
- 813. Public Private Interface in Primary Education: A Case Study in West Bengal, Subhrangsu Santra, Economic and Political Weekly, XI., 1550-1555. 73-84, ISSN:00129976, ISSN:09724109
- **814.** ."Developing Web Services with Semantics for Interoperability Middleware of Semantic Web Service Based E-governance", **Subhrangsu Santra**, **2010**, International Conference on NACCS-2010, Burdwan University, West Bengal, 47-51, ISBN-819077417-4.
- **815.** "A Novel Semantic Web Service Based Approach to E-Governance", **Subhrangsu Santra**, **2010** International Conference on IEEE RTSCIT-2010, 1, 57-62, 47-51, Bhopal, India
- 816. "Semantically Enriched Web Services and Domain Ontology for Service-Oriented Semantic Web Service Based E-Governance", Subhrangsu Santra, 2010, International Conference ICETES-2010, 60-65, NI University, Thuckalay, Tamilnadu.
- 817. "A Semantic Approach to Web Services for Interoperability and Integration of E-Services in Service-Oriented Architecture based E-Governance System", Subhrangsu Santra, 2010, International Symposium ISCET-2010, RMIT, Punjab, 263-269, ISBN:978-81-910304-0-2

- **818.** Service-Oriented Portal Based Document Management System for E-Governance: A Semantic Web Service Based Approach", **Subhrangsu Santra**, 2009, TITBI, Excel Publishers, 2009, 428-436, ISBN-9380043376.
- 819. A Semantic Web Service based approach in E-Governance", Subhrangsu Santra , 2009, IEEE ICADIWT-09, August 4-6, 2009, London Metropolitan University, London, U.K, 243-248, ISBN-978-1-4244-4457-1/09
- 820. An Efficient Approach for Dynamic selection of Web Service in Service Oriented Goal Based Framework, **Subhrangsu Santra**, **2010**, IEEE ICCCT-2010, Ramnathapuram, Tamilnadu, IEEE Xplore:IEEE Catalog Number: CFP1044K-ART, ISBN: 978-1-4244-7770

Publications of year 2012-2013

DEPARTMENT OF BENGALI

- 1. Pourushdripta Jibanchetanar Kabi Mohitlal Korak Sahityapatra, Keka Ghatak
- 2. Sahitya Bhabnar Nana Rong, Keka Ghatak



- 3. Economic Growth vis-à-vis Regional Disparities in India, **Subhas Chandra Sarkar**, Business Studies Recent Developments edited by Anirban Ghosh, published by Netaji Subhas Open University, 206-215, 978-93-82112-07-5.
- 4. Fair Value Measurement (IFRS 13): An Outline" in the Book, **Sunil Kumar Gandhi, 2012**, "Lecture on Contemporary Issues in Accounting and Management" Edited by Dr. Ananda Mohan Pal, Deptt. of Business Mgt., University of Calcutta. (Sept. 2012).ISBN 978-81-921382-1-3
- 5. An Overview of the IFRS for Small and Medium-sized Entities in the Backdrop of Full IFRSs; Conference, **Sunil Kumar Gandhi, 2012,** Edited by Sri Amal Kr. Bhakat, Lawpoint Publications, Kolkata, ISBN 978-93-82472-68-1
- 6. "Accounting Reforms in Local Bodies in India: An Account" in the Book Sunil Kumar Gandhi, 2013, "Municipal Finance", ACB Publications, Kolkata, ISBN 81-87500-68-9
- "Accounting and Financial Control of Gram Panchayats in West Bengal: A Case Study of Nadia District", Biswas Anadi & Gandhi S.K. ,2013,Business Perspectives, Journal of the Deptt. of Commerce, University of Kalyani, Kalyani, ISSN 0975-0746
- 8. "The Stages of Development in Accounting Information System" Mukherjee Nupur, & Gandhi S.K., 2012, Vidyasagar University Journal of Commerce, Midnapore., ISSN 0973-5917
- 9. 'Fair Value Measurement: ASs vs, Gandhi S.K, 2013, IFRS 13" in the All India Conference of the Indian Accounting Association, Rajkot, Gujarat.
- 10. "Importance of Entrepreneurship and Good Governance in MSME Sector in India", Gandhi S.K , 2012, In the UGC sponsored national Seminar on "Promotion of Entrepreneurship in Emerging MSME Sector- the Key to Sustainable Development of the Economy" organised by Nayagarh Autonomous College, Orissa.
- 11. 'Application of Computer Assisted Accounting Information System In Corporate Decision Making -A Study Based On Some Selected Companies, Gandhi S.K, 2013, In India' in the International Conference organised by Indian Accounting Association Research Foundation (jointly with Dr. Nupur Mukherjee) at Kolkata.

- 12. 'A Study on the Impact of liberalization on the Indian General Insurance Industry' in the International Conference organised by Indian Accounting Association Research Foundation (jointly with Dr. Mahasweta Bhattacharya) at Kolkata, Gandhi S.K, 2013.
- 13. Development Banking in India in the Pre-Liberalization Era: An Exploration, **Subhamoy Das**, 2012, LAMBERT Academic Publishing, Saarbrücken, Germany, (Price: 79.00 €) SOLE AUTHOR)[ISBN-13: 978-3-659-21028-0, ISBN-10: 3659210285, EAN: 9783659210280]
- 14. Development Banking and Industrial Finance: The Genesis and the Journey [SURVEY, **Subhamoy Das**, 2012, Indian Institute of Social Welfare & Business Management, 53(3-4), ISSN: 0586-0008, (SOLE AUTHOR)
- Commercial Banks and Industrial Finance in India: The Pre-Liberalisation Scenario [Business Studies, Dept. of Commerce, University of Calcutta], Subhamoy Das, [ISSN: 0970-9657] (SOLE AUTHOR)
- Extending Opportunities: The Changing Indian FDI Scenario at the International Seminar on Global Business Opportunities & Challenges organised by Dept. of Business Administration, Subhamoy Das, PES Institute of Technology, Bangalore jointly with Indiana University of Pennsylvania, USA
- 17. An Empirical Study on the Relationship between Corporate Governance and Firm Performance in India' in **Pradip Kumar Samanta**, 2012, 'Business Excellence: Rhetoric and Reality' edited by Sankar Kumar Sengupta and Amir Jafar, The University of Burdwan, Burdwan.
- Students' Perceptions of "Best Companies" vis-à-vis Employer Branding: , Pradip Kumar Samanta, 2012, A Study using Perceptual Mapping Technique' in 65th All India Commerce Conference of Indian Commerce Association.
- 19. Auditing for B. Com Honours, Lawpoint Publications, Kolkata, Amalendu Bhunia, 2013,978-93-82472-20-9
- 20. Auditing for B. Com General, Lawpoint Publications, Kolkata, Amalendu Bhunia,2013, 978-93-82472-21-6.
- 21. Cost & Management Accounting, Kalyani Publishers, Kolkata, Amalendu Bhunia, 2013, 978-93-80621-89-3
- 22. Economic benefits of IFRS-An Impact on Adoption of IFRS in India, Amalendu Bhunia, Indian Accounting Standards: Convergence with IFRSs (ISBN: 978-93-82472-68-1), edited by Sri Amal Bhakat, published by Lawpoint Publications, Kolkata.
- 23. Performance of Global and Domestic IPO Activities: An Empirical Analysis, Amalendu Bhunia, 2012, International Journal of Research in Economics and Social Sciences (ISSN: 2249-7382), 2(4), 13-40.
- 24. Relationship between shareholder's value and financial variables-A study of maximise shareholder value, **Amalendu Bhunia**, **2012**, Universal Journal of Marketing and Business Research, 1(1), 06-16, ISSN: 2315-5000
- 25. Cointegration and Causal Relationship among Crude Price, Domestic Gold Price and Financial Variables-An Evidence of BSE and NSE, **Amalendu Bhunia**, **2012**, Journal of Contemporary Issues in Business Research ,2(1), 1-10, ISSN: 2305-8277
- 26. Financial risk measurement of small and medium-sized companies listed in Bombay Stock Exchange, Amalendu Bhunia, 2012, Research Journal of Business Management and Accounting, 1(3), 040 045, ISSN 2277 0712
- Statistical Methods for Practice and Research (A Guide to Data Analysis using SPSS), Amalendu Bhunia, 2012, South Asian Journal of Management, 20(1), 154-157, ISSN: 0971-5428

- 28. Life Insurance in India: An Information Source, Amalendu Bhunia, 2012, South Asian Journal of Management, 19(4), 137-139, ISSN: 0971-5428
- 29. Cointegration Relationship between Gold Prices and Exchange Rates: An Evidence of India, organized by MBA, Vidhyasagar University, **Amalendu Bhunia**, 2013.
- The Impact of Domestic Gold Prices and Stock Price Indices-An Evidence of BSE and NSE, Amalendu Bhunia, 2013, Eleventh International Accounting Conference, organized by IAARF, EIILM and Deloite
- 'Vivekekanander Artanoitik Bhavna', Mandal, Biswambhar, 2013, in a book 'Bohurupe Swamiji', edited by Roy, Subrata & Roy Asoke Kumar, Mitram, Kolkata, 226-242, ISBN 978-93-80036-51-9
- 32. Global Warming and Climate Changes in a Globalised Era: A Review, Mandal, Biswambhar , 2012, in a book 'Global Environment: Contemporary Issues & Challenges' edited by Sukul, Arghya & Sarkar, Sudipta, Alpana Enterprise, Kolkata, 42-46, ISBN 978-81-921382-2-0.
- 33. Quality Education and Loopholes in the NAAC Accreditation, Mandal, Biswambhar, Biswas, Anadi, Sarkar Sudipta , 2012, in a book 'Qualitative Improvement of NAAC Accredited Colleges', edited by Roy, Suhas, Ekushe, Kolkata, 161-166, ISBN 978-81-924889-1-2
- 34. Threats to Women Empowerment from Microfinance Institutions, Mandal, Biswambhar, 2012, in a book 'Microfinance and Women Empowerment in India', edited by Datta, Sukamal, Naba Ballygunge Mahavidyalaya, Kolkata, 122-129, ISBN 978-81-923645-0-6.
- 'Vivekekanander Artanoitik Chinta: Koyekti Sutra', Mandal, Biswambhar, 2013, in a book 'Vivek Rashmi', edited by Nath, Rakhal Chandra, 'Progressive Publishers', Kolkata, January, 2013, ISBN 978-81-89846-43-5, p. 251-260
- 36. 'Micro Enterprise in India: Current Scenario', Mandal, Biswambhar, 2013, in a book 'Micro Enterprise & Rural Development in India', edited by Roy, Subrata Kumar, Serials Publications, New Delhi, 211-219, ISBN 978-81-8387-575-2
- 37. 'Accounting Ethics: A Review', Mandal, Biswambhar, 2012, in a book 'Changing Paradigm of Accounting & Taxation in 21st Century: Challenges to Indian Business and Commerce Education, edited by Kundu, Abhijit, Chakraborty, Sandip Kumar, Barrackpore Rastraguru Surendranath college, Kolkata, 28-34, ISBN 978-81-921808-4-7
- Foreign Direct Investment in Retail Business, Mandal, Biswambhar, 2012, National seminar jointly organized by Haldia Institute of Technology, Indian Accounting Association, Midnapore Branch and Dept. of Commerce, Vidyasagar University,
- Ethics in Accounting and Public Interest, Mandal, Biswambhar, 2013,3rd All India Conference on Business Studies, organized by Durgapur International Business Studies Academia
- 40. Rural Livelihoods in India and Coping Strategy of the Poor, Mandal, Biswambhar , 2013, UGC-sponsored Two Day Annual National Conference of Bengal Economic Association.
- 41. Revamping of Higher Education...Some Suggestions, Gandhi Sunil kumar, Mandal, Biswambhar, 2013, National Seminar organized by West Bengal University of technology.
- 42. The Impact of Shopping Malls on Retail Shops –A Study, De Biswajit, Mandal Biswambhar, 2013, UGC sponsored 2-day National Seminar on 'Foreign Direct Investment and its Impact on Indian Economy', jointly organised by Kharagpur College and WBCUTA Paschim Medinipur District Committee.
- 43. Public Interest and Ethics in Accounting: A Review, Mandal, Biswambhar, 2013, International Seminar on 'Accounting Education and Research', jointly organized by Indian Accounting Association & Dept. of Business management, Saurashtra University, Rajkot.

DEPARTMENT OF ENGLISH

- 44. "Culture, Masculinity and Patriotism: The Caklet Controversy of 1924" in, Niladri R. Chatterjee, 2013, Popular Masculine Cultures in India: Critical Essays eds. Rohit K. Dasgupta & Steven Baker (Setu Prakashani, Kolkata, Delhi.)
- 45. Many Windows: The Construction of Meaning in Rear Window Critical Essays, **Sandip Mondal**, Golden Jubilee Volume English Dept. University of Kalyani, 978- 81-901525-3-2
- 46. Infidel Stars: **Sandip Mondal**, The film Adaptations of Shakespeare in the System of Star Edulite, 2278-9545
- 47. Family, Feud and Genre: Sandip Mondal, Bollywood Goes Shakespeare Litscape, 0976-9064
- 48. Resistance, Writings and Romance: **Sandip Mondal**, Charulata Speaks: Dept. of English, Prabhat Kumar College, Contai ,978-81-922110-6-0
- Dalit "Draupadi": Violation of Women and the Subversion of Epic Tradition', Baisali Hui, 2013, Marginal Writings in English: Bengal and other Regional Literature, Eds. J. Sarangi and C. Ghosal. New Delhi: Authorspress, 69-80, ISBN-978-81-7273-717-7
- 50. "Confession as Catharsis: Reading Sylvia Plath's Ariel" in , **Baisali Hui** , 2012, Wesleyan Journal of Research (Refereed Journal) , Bankura Christian College, Bankura, V (I), 47-54, ISSN 0975-1386.
- 51. "The Subterranean Life: Mother-Daughter and/or the Shadow of the Other" **Baisali Hui, 2012**, in Labyrinth: An International Journal of Postmodern Studies 3(4), 152-159,

ISSN 0976-0814 (Abstracted and Indexed at Literary Reference Centre Plus-EBSCO HOST, USA)

- 52. Translation of selected sections from Chandalinir Kobita (as Poems by an Untouchable Woman) by Kalyani Thakur, Baisali Hui, 2012, Ei Astitwa (as This Existence) by Sukanta Mondal, and "The Evil Eye of Saturn" (a short story) by Sunil Kumar Das in Muse India, Issue. 46, ISSN 0975-1815.
- 53. "The Shifting Gaze and the Parable of the Vision: Myth-making in the Short Stories of H.G. Wells" in The Critical Endeavour, **Baisali Hui, 2012, The** Journal of the Researchers' Association, Orissa, XIX, 152-164, ISSN 0976-0199.
- "Language, Storytelling and Culture: Reading Narratology Anew", Baisali Hui, 2013, Impressions of Eternity: Journal of Language and Literature Studies, 5-6, 26-42, ISSN 2229-4813.
- 55. English Teaching in India Today: Relocating English Pronunciation" in **Baisali Hui, 2012**, Teaching English in India Today: A New Perspective (Proceedings of UGC National Seminar at SKCG College, Odisha), 38-45, ISBN 978-93-5067-915-9.
- 56. 'On Firm Ground ' by Jatin Bala, translated by Ashok Sengupta in Survival and Other Stories, Dalit Fiction in Translation, ed. Sankar Prasad Sinha & Indranil Acharya, Hyderabad, Orient Blackswan, 2012.
- 57. 'Reading Reading'. Keynote Address of National Book Trust & Bidhan Chandra College, Asansol, Seminar in, Ashok Sengupta 2012, Impressions of Eternity, Journal of Language and Literature Studies, 4-5, English Department, Bidhan Chandra College, Asansol.
- 58. Studies in Mahesh Dattani's Bravely Fought the Queen, Sagar Taranga Mandal, 2009, Kolkata: Books Way. ISBN 81-89293-67-2
- 59. Rev. of Shakespeare, the Orient, and the Critics by Abdulla Al- Dabbagh, Mandal, Sagar Taranga. , 2013, New York and Oxford: Peter Lang, 2010. published in Multicultural Shakespeare: Translation, Appropriation and Performance. Ed. Lingui Yang, Lodz: Lodz University Press, 10 (25), Ix+148, 2013. ISSN 2083-8530. Print.

DEPARTMENT OF FOLKLORE

- 60. Bangla Prabade O Charai Koutak Ras O Samaj Bhabna, Ashimananda Gangopadhyay Grantha Bikas, ISBN: 978-98-83018-13-3
- 61. Rabindranather Palliunnayan Bhabnai Palli Shil[pa', **Ashimananda Gangopadhyay** Rabindranather Palli Unnayan Bhabna, Ed. By Anjana Saha, ISBN: 978-93-82045-65-6
- 62. 'Mech Ramanider Bayan Shilpa O Samabay Samiti: Ekti Pradtbedan', Mandal, Sujay Kumar, 2012, Lokosamskritir Fieldwork: Ekti Samikshya, Edoted by Sk Makbul Islam, Udar Akash, Kolkata, 93-101, (ISBN No.978-93-82042-01-3)
- 63. "Traditional Knowledge of Folkcrafts in West Bengal", Mandal, Sujay Kumar, 2012, 4th International Folklore Congress on 'Folklore and Folklife Studies: Special Focus on Intangible Cultural Heritage', Nepali Folklore Society, Kathmandu, Nepal, 26.
- 64. Book 'Bangla Loksangeet Kosh' (Encyclopedia of Bengali Folkmusic), **Kakali Dhara Mandal**, Publisher – Amar Bharati; Kolkata ; ISBN No.13-978-81-906484-6-2
- Sangeeter Udbhob : Samaj boyigyanik dristibhongi the ke', Kakali Dhara Mandal, book Bangla Lokosangit Kosh (Encyclopedia of Bengali Folksong) ; Publisher-Amar Bharati, Kol-13; 27, ISBN-13-978-81-906484-6-2
- Sangeet Sabder butpotti, itihas O prachinatwa'Page-30, Kakali Dhara Mandal, book Bangla Lokosangit Kosh (Encyclopedia of Bengali Folksong), Publisher-Amar Bharati, Kol-13, 27, ISBN-13-978-81-906484-6-2
- 'Sangeeter Sanga O boisistya', Page 35, Kakali Dhara Mandal, book Bangla Lokosangit Kosh (Encyclopedia of Bengali Folksong); Publisher-Amar Bharati, Kol-13, 27, ISBN-13-978-81-906484-6-2
- 68. 'Sangeeter Tridhara O Loksangiter Bahamanata', **Kakali Dhara Mandal**, book Bangla Lokosangit Kosh (Encyclopedia of Bengali Folksong) ; Publisher-Amar Bharati, Kol-13, 27;ISBN-13-978-81-906484-6-2
- 69. 'Lokosangeeter Bargikaran', Page 66, **Kakali Dhara Mandal**, book Bangla Lokosangit Kosh (Encyclopedia of Bengali Folksong) ; Publisher-Amar Bharati, Kol-13, 27, ISBN-13-978-81-906484-6-2
- 'Sabdobigyan O Lokosangeet' Page-101, Kakali Dhara Mandal, book Bangla Lokosangit Kosh (Encyclopedia of Bengali Folksong), Publisher-Amar Bharati, Kol-13, 27, ISBN-13-978-81-906484-6-2
- 'Banglar Sangeet Oitijhya, Bander Gan O Loksangeet'Page-111, Kakali Dhara Mandal, book – Bangla Lokosangit Kosh (Encyclopedia of Bengali Folksong), Publisher-Amar Bharati, Kol-13, 27, ISBN-13-978-81-906484-6-2
- 72. 'Lokosangeet O Bhougalik Paribesh' Page 150, **Kakali Dhara Mandal**, book Bangla Lokosangit Kosh (Encyclopedia of Bengali
- 73. Folksong), Kakali Dhara Mandal, Publisher- Amar Bharati, Kol-13, 27, ISBN-13-978-81-906484-6-2
- 74. Lokokathar Saat Kahan, Chakrabarty, **Debalina Debnath**,2012 Barun Kumar(ed.), Aparna Book Distributars, ISBN978-81-910889,
- 75. Sri Chaitannya and National Integration, Debalina Debnath
- 76. News Media and Bengal Culture, **Debalina Debnath**

DEPARTMENT OF HISTORY

- 77. Edited Being in Bengal (Ed. jointly with Sankar Biswas), Alok Kumar Ghosh, 2013, Progressive Publishers. Kolkata
- 'Writing History of Bengali Refugees', in Alok Kumar Ghosh and Sankar Kumar Biswas, 2013, eds. Being in Bengal, Progressive Publishers, Kolkata
- 79. 'Swaraj, Jatiyatabad o Rabindranath (Swaraj, Nationalism and Rabindranath)', Alok Kumar Ghosh, 2012, Bengali article in Chirantan Sarkar ed., Rabindranather Bahuswar, Murshidabad
- 80. Entries in the Dictionary of Historical Places of Bengal, ed. by Ranjan Chakraborty, New Delhi, Alok Kumar Ghosh, 2013.
- 81. The Evolution of Folk Elements in Bengali Culture and the Bengali Muslims: Continuity and Change in the 20th Century' **Soumitra Kumar Sinha**, 2012, in Itihas Prabandhamala, of Itihas Academy, Dhaka, Bangladesh, ISSN 1995-1000
- 82. History from Popular Science Literature in Anamika Nandy, Nilanjan Chaki & Dabalina Bhattacharyya, **Sabyasachi Chatterjee, 2013,** edited Science and Nationalism in Colonial Bengal (1870 1947), Kolkata, ISBN 978-93-81229-23-1.
- Bish Shatake Kolkatar Bangla Bijnan Patrika1912-1982 (Bangla Science Periodicals of Kolkata of the Twentieth Century 1912-1982), Sabyasachi Anusandhan 27, Kolkata, ISBN 978-81-910874-3-7
- Present History of Science Club Movement in Greater Kolkata in Chittabrata Palit and Arun Kumar edited Science and Environment, New Delhi, Sabyasachi Chatterjee, 2013. ISBN 9789350500644.
- 85. Prafulla Chandra Ray (1861-1944): A Scientist Who Tried to Make Science Social & To Make Society Scientific in Amitava Chatterjee edited People At Large: Popular Culture in Modern Bengal, Setu Prakashan, Kolkata, Sabyasachi Chatterjee 2012,ISBN 978-93-80677-34-7.
- Shikshar Adhikar Ayin: Itihas Kee Bale? (Right to Education Act: What Does History Say?),
 Sabyasachi Chatterjee, 2012, in Altaf Amed edited Shikshar Adhikar: Bhebe Dekha,
 S.T.E.A & Rupali, Kolkata, ISBN 978-81-921011-8-7.
- History of the Concept and Practicability of People's Science in , Sabyasachi Chatterjee, 2012, Bengal in Bangladesh Historical Studies Vol. XXII 2010-12, Dhaka, Bangladesh
- 88. Bijnan, Bijnanchetana O Mulyabodh (Science, Scientific Temper & Values) in Amarnath Bhattacharya, **Sabyasachi Chatterjee**
- 89. Edited Purapathik, Special Number on Values, Kamarhati Municipality, Sabyasachi Chatterjee, 2012.
- 90. 5 (five) Entries in the Dictionary of Historical Places of Bengal, ed. by Ranjan Chakraborty, **Sabyasachi Chatterjee, 2013,** New Delhi 2013.
- 91. Co- writer of the course Material entitled "Folk Theatre & Performance of North East India, IGNOU, Anira Phipon, 2013.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

- 92. Basics of subject indexing, **Juran Krishna Sarkhel**, 2013, In BLIS-03: Organizing and Managing Information, Unit 9. New Delhi: Indira Gandhi National Open University, 31
- 93. Indexing languages. In BLIS-03: Organizing and Managing Information, **Juran Krishna Sarkhel**, 2013,Unit 10. New Delhi: Indira Gandhi National Open University, 49

- 94. Indexing techniques. In BLIS-03: Organizing and Managing Information, **Juran Krishna Sarkhel**, 2013,Unit 11. New Delhi: Indira Gandhi National Open University, 7
- 95. Trends and development in library and information science. Zenith Publications: New Delhi, Tiwari, R., Mukhopadhyay, Parthasarathi, Ramesha, B., Mahesh, G., & Singh, A., 2012
- 96. Link analysis research of Indian universities, Jalal, Samir Kumar, Biswas, S. C., & Mukhopadhyay, P. (2013). Information Studies, 19(1), 5–28.
- 97. Global visibility of Indian open access institutional digital repositories., Roy, Bijan Kumar, Biswas, S. C., & Mukhopadhyay, P., 2013, International Research: Journal of Library & Information Science, 3(1).
- Application of controlled vocabulary in organizing Community Information Resources (CIRS): A comparison between generic and domain specific subject access systems, Bandyopadhyay, Subarna, & Mukhopadhyay, Parthasarathi, 2012, Information Studies, 18(4), 221–236.
- Open Access to scholarly information in India: Trends and Developments, Roy, Bijan Kumar, Biswas, S. C., & Mukhopadhyay, Parthasarathi, 2012, International Research: Journal of Library and Information Science, 2(1), ISSN: 2249 - 0213,
- Open Access Repositories in Asia: From SAARC to Asian Tigers, Roy, Bijan Kumar, Chandra Biswas, S., & Mukhopadhyay, Parthasarathi, 2012, Library Philosophy and Practice (ejournal)., 808.
- An Analytical Study of Institutional Digital Repositories in India, Roy, Bijan Kumar, Mukhopadhyay, Parthasarathi, & Biswas, S. C. ,2012, Library Philosophy and Practice, (Annual volume 2012), 1–13.
- 102. Community information services in India: current prospects and problems, Bandyopadhyay, S., & Mukhopadhyay, Parthasarathi, 2012, Trends and Development in Library and Information Science: SAARC Conference organized by BIMTECH and SAARC Documentation Centre, 611–618
- 103. Custom search engine (CSE) in library OPAC: a methodology for integrating Google CSE in Koha OPAC, Mandal, S., & Mukhopadhyay, Parthasarathi, 2012, Information and Knowldge Dissemination : Present Status and Future Direction (IKD 2011), 139–148).
- 104. Interactive and multilingual digital community information services: towards the next level, Mukhopadhyay, Parthasarathi, 2012, Information and Knowldge Dissemination: Present Status and Future Direction (IKD 2011),57–68
- 105. Marching with Mashup: Application of Information Mashup for Developing Open Library System, Mukhopadhyay, Parthasarathi, 2012, Challenges in Library Management System (CLMS 2012): Proceedings of the national seminar, 39–47
- 106. Organising open access scholarly objects in LIS: a domain-specific harvesting approach. Roy Choudhury, B., & Mukhopadhyay, Parthasarathi, 2012, Information and Knowledge Dissemination : Present Status and Future Direction (IKD 2011), 344–354).
- 107. Developing virtual union catalogue of ETDs on health and medicine: a practical approach, Sarkar, P, & Mukhopadhyay, Parthasarathi , 2012, Challenges in Library Management System (CLMS 2012),334–340
- 108. Metadata and discovery of electronic theses and dissertations, Sarkar, P., & Mukhopadhyay, Parthasarathi, 2012, Trends and Develoment in Library and Information Science: SAARC Conference organized by BIMTECH and SAARC Documentation Centre, 315–323
- 109. Trends and development in library and information science, Tiwari, R., Mukhopadhyay, Parthasarathi, Ramesha, B., Mahesh, G., & Singh, A, 2012, Zenith Publications: New Delhi.

- 110. Link analysis research of Indian universities, Jalal, Samir Kumar, Biswas, S. C., & Mukhopadhyay, P., 2013, Information Studies, 19(1), 5–28.
- 111. Global visibility of Indian open access institutional digital repositories, Roy, Bijan Kumar, Biswas, S. C., & Mukhopadhyay, P, 2013, International Research: Journal of Library & Information Science, 3(1).
- 112. Application of controlled vocabulary in organizing Community Information Resources (CIRS): A comparison between generic and domain specific subject access systems, Bandyopadhyay, Subarna, & Mukhopadhyay, Parthasarathi, 2012, Information Studies, 18(4), 221–236.
- Open Access to scholarly information in India: Trends and Developments, Roy, Bijan Kumar, Biswas, S. C., & Mukhopadhyay, Parthasarathi, 2012, International Research: Journal of Library and Information Science, 2(1), (ISSN: 2249 - 0213)
- Open Access Repositories in Asia: From SAARC to Asian Tigers, Roy, Bijan Kumar, Chandra Biswas, S., & Mukhopadhyay, Parthasarathi (2012). Library Philosophy and Practice (ejournal), 80
- 115. An Analytical Study of Institutional Digital Repositories in India, Roy, Bijan Kumar, Mukhopadhyay, Parthasarathi, & Biswas, S. C., 2012, Library Philosophy and Practice, (Annual volume 2012), 1–13
- 116. Community information services in India: current prospects and problems, Bandyopadhyay, S., & Mukhopadhyay, Parthasarathi, 2012, Trends and Development in Library and Information Science: SAARC Conference organized by BIMTECH and SAARC Documentation Centre, 611–618
- 117. Custom search engine (CSE) in library OPAC: a methodology for integrating Google CSE in Koha OPAC, Mandal, S., & Mukhopadhyay, Parthasarathi, 2012, Information and Knowldge Dissemination : Present Status and Future Direction (IKD 2011), 139–148
- 118. Interactive and multilingual digital community information services: towards the next level, Mukhopadhyay, Parthasarathi, 2012, Information and Knowldge Dissemination: Present Status and Future Direction (IKD 2011), 57–68
- 119. Marching with Mashup: Application of Information Mashup for Developing Open Library System, Mukhopadhyay, Parthasarathi, 2012, Challenges in Library Management System (CLMS 2012): Proceedings of the national seminar ,39–47
- Organising open access scholarly objects in LIS: a domain-specific harvesting approach, Roy Choudhury, B., & Mukhopadhyay, Parthasarathi, 2012, Information and Knowldge Dissemination : Present Status and Future Direction (IKD 2011), 344–354
- 121. Developing virtual union catalogue of ETDs on health and medicine: a practical approach, Sarkar, P, & Mukhopadhyay, Parthasarathi, 2012, Challenges in Library Management System (CLMS 2012): Proceedings of the national seminar, 334–340
- 122. Metadata and discovery of electronic theses and dissertations, Sarkar, P., & Mukhopadhyay, Parthasarathi, 2012, Trends and Develoment in Library and Information Science: SAARC Conference organized by BIMTECH and SAARC Documentation Centre, 315–323
- 123. Digital Black Hole and Electronic Waste: Two Fears of Digital Age, Sibsankar Jana, 2012, Indian Journal of Library and Information Science, 6(3), 5-10,ISSN: 0973-9548. Peer Reviewed (Indexed).
- 124. Information Retrieval + X → Information Assimilation, Sibsankar Jana, 2012, SRELS Journal of Information Management 49(4), 359-370, ISSN: 0972-2467. Peer reviewed (Indexed in Google Scholar and IndianJournals.com).
- Role of Library and Librarian in Bibliotherapy, Sibsankar Jana, 2012, Granthagar, 62(4), 93-97, ISSN: 0017-324X. Peer reviewed

- 126. Rabindra Aloke Granthagar O Tathya Bigyan, Sibsankar Jana, 2012, Souvenir of National Seminar on Rabindranath O Granthagar, University of Kalyani, 27-29
- 127. Managing Optical Discs in Today's Hybrid Library, Sibsankar Jana, 2012, An Overview, 529-533, Proceeding of the International Conference on Collection Development in the Digital Environment, ISBN: 9789381992289

DEPARTMENT OF POLITICAL SCIENCE

- 128. Subhas Chandra Bose and North Bengal: In Search of Continuity of Thought and Action. Bimal Kumar Saha ed. Wealth and Welfare, Sumit Mukerji (VINBNEDS, Coochbehar), ISBN: 81-903917-0-4
- 129. The Return of Netaji: Myth or Reality', **Sumit Mukerji**, The Quarterly Review of Historical Studies. LII (3&4), 25-40. ISSN: 0033-5800
- Rendezvous with Militants: The Indian Experience', Sumit Mukerji, Humanity, Culture and Society, International Proceedings of Economics Development and Research, 58, 25-30. ISSN: 20104626
- 131. Maulana Abul Kalam Azad, Nationalist Thinker, Sumit Mukerji, Proceedings of UGC Sponsored State level Seminar on Politics and Conflict: Lessons from Maulana Abul Kalam Azad (Department of Political Science, Shibpur Dinobandhu Institution College, Kolkata). ISBN:978-81-925519-0-6
- 132. The Gorkhaland Agitation and its NorthEastern Linkage: A Study in Complementarity and Contradiction, **Sumit Mukerji**, Proceedings of State Social Movements and Democracy in North East India (Department of Political Science, Gauhati University and Indian Council of Historical Research)
- 133. Sri Aurobindo Some Lesser Known Aspects of His Life', **Sumit Mukerji**, Rbhu, 10(1), 44-55.
- 134. 'Muktisangramer Prekshapate Kori Diye Kinlam', Sumit Mukerji, Sudakshina, 23, 239-251.
- 135. 'Uttal Pahar O Uttakto Samatal', Sumit Mukerji Baha, 6 (6), 119-130.
- 136. Authored two Modules for Post Graduate Political Science, Netaji Subhas Open University, Malyasree Mukherjee.
- 137. Public Policy and Systems (Ed), Pearson, New Delhi, Prabir Kumar De , 2012, ISBN: 978-81-317-6172-4.
- 138. Human Rights Education in India: Towards Democratic Order in Society, Prabir Kumar De, 2012, Shodh Prerak, II(2), ISSN: 2231-413X.
- 139. Urbanization in West Bengal: Post Colonial Development, Prabir Kumar De, 2012 Asian Studies, XXX(2), Netaji Institute for Asian Studies, Kolkata .ISSN.0970- 7301
- 140. National Seminar on "Law, Gender and Social Transformation in India" organized by Indian Sociological Society, Centre for Social Exclusion and Inclusive Policy and Centre for Gender Studies, University, Prabir Kumar De, 2012
- 141. 'SAARC's India or India's SAARC?' Raj Kumar Kothari(ed.), Pratip Chattoopadhyay, 2012, Emerging India As A Global Player : Growing Ties and Challenges, Atlantic Publishers, New Delhi, 272-288, (ISBN: 9788126916832)
- 142. "West Bengal: Understanding Trinamul Congress", **Pratip Chattoopadhyay, 2013,** Mainstream, LI(31), ISSN – 0542-1462
- 143. "The Politics of India's Neighbourhood Policy in South Asia", Pratip Chattoopadhyay, 2011, South Asian Survey ,Sage Publication, 18(1), 93-108, ISSN 0971-5231

- 144. "Reading Mohit Sen's Autobiography in the Ideological Twilight of Indian Communism", **Pratip Chattoopadhyay, 2012,** Mainstream, L(43), ISSN 0542-1462,
- 145. "Economic Integration and Development in South Asia: A Tale of Unfulfilled Promises" **Pratip Chattoopadhyay, 2012,** in Inclusive 1(1)(e-journal, ISSN 2278 9758.
- 146. "Domestic Sources of Foreign Policy: A Case Study of Indo-Bangladesh Relations", **Pratip Chattoopadhyay, 2012,** Indian Journal of Political Science, IJPS (ISSN 0019-5510)
- 147. "Social Movement Decomposed into State: Understanding the West Bengal Experience", Pratip Chattoopadhyay, 2013, Journal of Politics, (ISSN -2278-4039) Published by Department of Political Science, North Bengal University, West Bengal
- 148. "Innocence Turning Ugly: A Note on Politics around a Student Death in West Bengal", **Pratip** Chattoopadhyay, 2014, Inclusive, 2(1), e-journal(ISSN 2278 9758)
- 149. 'Development Programmes involving the Tribes', Mallick, Md. Ayub, 2009, Indian Journal of Political Science, LXX(4), (Peer Reviewed and Indexed).
- 150. 'Review of Electoral Politics in West Bengal', Mallick, Md. Ayub, 2009, Asian Studies, XXVII, (Peer Reviewed and Indexed).
- 151. 'Development Programmes and the Participation of the Tribals', Mallick, Md. Ayub, 2010, Indian Journal of Regional Science, XXXXII(1), (Peer Reviewed and Indexed).
- 152. 'Participation of the Tribals in the Development Programmes: A Case Study of Jamalpur Block', Mallick, Md. Ayub,2010, Indian Journal of Landscape Systems and Ecological Studies, 33(2), (Peer Reviewed and Indexed).
- 153. "India and ASEAN: Building a Symbiotic Partnership", in Raj Kumar Kothari (ed.), Anindya Batabyal, 2012, 'Emerging India as a Global Player: Growing Ties and Challenges' (New Delhi: Atlantic Publishers, 238-255, ISBN 978-81-269-1683-2
- 154. "Producing Sri Lanka from Ceylon: The Roots of Ethnic Conflict in Post-Colonial Sri Lanka", in Partha Pratim Basu, Purusottam Bhattacharya, Debi Chatterjee and Shibashis Chatterjee (eds.), Anindya Batabyal 2012, 'Democracy and Democratization in the 21st Century: The South Asian Experience' (New Delhi: Har-Anand, 316-362, ISBN 978-81-241-1662-3
- 155. Stapled Visas and Sino-Indian Bilateral Ties", Anindya Batabyal, 2012, Asian Studies, XXX(1), 13-24, ISSN 0970-7301
- 156. India renews Taiwan embrace", Anindya Batabyal, 2012, Asia Times (Hong Kong), http://www.atimes.com/ atimes/South_Asia/NJ05Df01.html"
- 157. Child Labour Elimination A New Dimension, Global South, Shiladitya Chakraborty, 2005, SEPHIS –E-Magazine, 2(1), 15-17.
- Causes of Corruption in Indian Administration: A Critical Stocktaking, Shiladitya Chakraborty, 2009, Raj-Yashti -Journal of Social Sciences, II(2), 114-139, ISSN- 0974-8687
- 159. Administrative Reforms and Anti-Corruption Strategy, **Shiladitya Chakraborty**, 2009, The West Bengal Political Science Review, Xii(2), 34-51.
- 160. Transforming the Culture of Corruption in India, **Shiladitya Chakraborty**, 2010 Journal of Humanities and Social Sciences, 7, 167-179, ISSN-0973-8738
- <u>Designing an Anti-Corruption Strategy for Contemporary Indian Administration</u>, Shiladitya Chakraborty, 2011, International Public Management Review, Switzerland, 12(2), ISSN-1662-1387, 97-113.
- 162. Judicial Corruption in India: A Critical Stocktaking, **Shiladitya Chakraborty**, 2010, Madhya Pradesh Journal of Social Sciences, 15(1), 21-39, ISSN-0973-855X.

- Political Culture and the Culture of Corruption in India, Skepsis- A Journal for Philosophy and Inter-Disciplinary Research, , Shiladitya Chakraborty , Greece, XXII(3), 122-133, ISSN-1105-1582
- 164. Good Governance through E-District Project in West Bengal A Case Study of Bankura District, Shiladitya Chakraborty, 2013, Social Cue-Inter Disciplinary Journal, 1(2&3), 111-117, ISSN 2320-8988
- 165. Colonial Modernity- Indian Perspectives, Edited by Dr. Pradip Basu, Shiladitya Chakraborty, Values of Colonial Modernity and Bureaucracy in India, Setu Prakashani, 174-188, ISBN- 978-93-80677-13-2(PB)
- 166. Kautilya on Governance and Corruption. Dr. Bhagwan Dahiya, Nandita Rathee and Seema V Lamba, Shiladitya Chakraborty, Contemporary Relevance of Anti-Corruption Strategy in Ancient Indian Administration, Intellectual Foundation India Ltd, 131-164, ISBN-81-903952-9-7.
- 167. Gender and Governance: A Narrative of Women Empowerment in India, Shiladitya Chakraborty & Subrata Bagchi, in Subrata Bagchi edt, 2014, "Beyond the Private World:Indian Women in the Public Sphere" Primus Books Ltd, New Delhi, 2014, 224-241, ISBN -978-93-84082-02-4
- 168. Public Service Reforms in India: A Fight against Corruption, Shiladitya Chakraborty, Towards Freedom Publishers, ISSN 978-81-8206-036-4.

DEPARTMENT OF SANSKRIT

- 169. "Influence of Sanskrit in Modern Literature", Agartala, Tripura, Anindya Bandyopadhyay, ISBN:978-93-81631-119
- 170. "Vedic Studies" Anindya Bandyopadhyay, VI, ISSN: 2278-4373
- 171. Mahabharater Tin Rupantarkamir kahini, Magazine namely Samasamayik Bangla, Anindya Bandyopadhyay

DEPARTMENT OF SOCIOLOGY

- 172. Consultant Editor of Rural Sociology, published Pearson Education, New Delhi, Partha Sarathi De, ISBN no. 978-81-317-6953-9.
- 173. <u>Self-Help and Self Reliance: A Two edged Razor", Partha Sarathi De, Journal of Social</u> Work and Social Development, Dept. of Social Work, Visva-Bharati University, West Bengal, 02(01), 73-90, ISSN no. 2229-6468
- 174. A Chapter on 'R. K. Mukhopadhyay' in Bharater Samajtattwik Chintadhara , **Sujata Sen**, 2012, levanth Books, ed. By B.Bandopadhyay & K. Chattapadhyay)
- 175. Acted as a Consultant editor for "Gender Studies" a book published by Pearson (The Pearson- ICFAI University Series), **Sujata Sen**, 2012.
- 176. SOCIALTRANSFORMATION. 2012. New-Delhi: Pearson Education. (Consultant Editor).
- 177. COMPARATIVE SOCIOLOGY, S.K. Dasgupta, 2012 New-Delhi: Pearson Education. (Consultant Editor).
- 178. AN INTRODUCTION TO SOCIOLOGY. With Poulomi Dey, **S.K. Dasgupta,** 2012 New-Delhi: Pearson Education. (Consultant Editor).
- 179. URBAN SOCIOLOGY, S.K. Dasgupta 2012 New- Delhi: Pearson Education. (Consultant Editor).

- 181. Where Nature Weds Culture in Nature and Culture, S.K. Dasgupta, 2012 7(3), Winter
- 182. Place of values in the Era of Globalization in International Journal of Business Ethics in Developing Economies, **S.K. Dasgupta**, **20123**, 2(2).
- 183. "Public Enterprises in Post-Reform India: Reflections on Coal Mining Industry", in D Konar and A Karmakar (ed.), Asish Mukhopadhyay, Post Reforms Indian Economy, Regal Publications, New Delhi, JSBN 978-81-8484-325-5
- 184. "Ensuring Consumer Justice: Pattern of Interaction between the State and the Non-state Consumer Organizations" in G. Das (ed.), Asish Mukhopadhyay and Karunamoyee Pal, Globalization and Consumer Rights: Emerging Dimensions, Abhijit Publications, New Delhi-110002,ISBN 9789350740408.

DEPARTMENT OF PHYSICAL EDUCATION

- 185. A Comperative study on curve running clockwise and anticlockwise direction; Edulight, Madhab Chandra Ghosh, 1(1), 160-164, ISSN-2278-9545
- 186. A study on different types of speed development among different age group of school going girls students"; Indian Journal of Physical Education and Exercise Science. Madhab Chandra Ghosh, 2012, PRACHESTA, 2 & 3, 34-39, ISBN 978-81-923488-8-9
- 187. Impact of Physical Education Teachers Training Programme on Management of perfectionism IOSR Journal of Humanistic and Social Science (JHSS), Madhab Chandra Ghosh , 2012, 2(4), 10-15, ISSN 2279-0837, ISBN-2279-0845
- Impact Teacher's Training Programme on Development of Achievement Motivation, Madhab Chandra Ghosh, 2012, IOSR. Journal of Humanities and Social Science (JHSS), 2(1), 13-17, ISSN 2279-0837, ISBN-2279-0845
- Impact of Physical Education Teachers Training Programme on Development of purpose in life, Madhab Chandra Ghosh, 2012, International Journal of Scientific and Research Problem, 2(9), 1-4, ISSN 2250-3153
- 190. Impact of Physical Education Teachers Training Programme on Management of state and trait anxiety, Madhab Chandra Ghosh , 2012, International Journal of Humanities and Social Sciences Invention, 2, 47-50., ISSN (ONLINE) 2319-7722, ISSN (PRINT) 2319-7714
- Phases of Techniques Training in Football, Madhab Chandra Ghosh, 2013, Edulight Special issue, 34-38,ISSN-2278-9545
- 192. Indian Journal of Yoga, Nita Bandopadhyay, 2009, Exercise & Sports Science and Physical Education, ISSBN No. 0975 265 X
- 193. UNMESH Peer Reviewed Journal, Nita Bandopadhyay, 2010, ISBN No. 0974 9829
- PRACHESTA Biannual Referred Journal in Physical Education & Exercise Science, Nita Bandopadhyay, 2012, 2&3, ISSN 2277-6125
- 195. Indian Journal of Health Nutrition and Physical Education, **Nita Bandopadhyay**, **2012**, ISSN 2320-3552, 1(1)
- 196. Global Journal for Research Analysis (International Journal), Nita Bandopadhyay, 2014, 3(
 5), ISSN No. 2277-8160
- 197. National Seminar on Sustainable Development of Physical Educaytion for Health, Bandopadhyay, 2013, Active life-style and well-being in 21st century,163, ISBN No. 978-81-923488-8-9 20-21

- 198. Effect of Plyometric Training on Vertical Jumping Ability of Male Volleyball Players, Susanta Biswas, 2013.
- 199. A comparative Study on Motor Fitness & Personality Profile of Junior National Kho-Kho & Kabaddi Players, **Susanta Biswas**, 2013
- 200. A study on Position of Cg of 5-11 years Boys, Susanta Biswas, 2013.
- 201. "Sports and Games as a tool for combating terrorism and insurgency problem-with special reference to Tripura and its insurgency problem in the near past", Saikot Chatterjee, ISBN 978-81-8370-363-5. Published by Akansha Publisher, New Delhi. Book name: Emerging areas in Physical Education and Sports Science
- 202. "Martial Art as a Key to Women Empowerment", **Saikot Chatterjee**, Seminar Proceedings, ISBN: 978-81-922902-5-6
- 203. Effect of selected exercises on reaction sped and agility ofrural and urban school children, ISPERYS, Krishna Banerjee (Biswas), 2012, ISSN 2250 1398
- 204. Growth Pattern of Different Body Segments Seventeen years aged male students in respect to their socio economic status.Prochesta.Biannual Referred Journal in Physical Education & ExerciseScience Indian Journal of Physical Education and Exercise Science, **Krishna Banerjee(Biswas)**, 2012, 2&3 ISSN 2277-6125
- 205. Effect of Selected Exercises on Reaction Speed and Agilityof Rural and Urban School ChildrenInternational seminar on Physical Education, Krishna Banerjee(Biswas), 2012 Recreation and Yogic Sciences, ISSN No 2250-1398
- 206. Effect of Selected Exercises on Agility of Rural and UrbanSchool Children UNMESH,Peer Reviewed JournalISSN No 0974-9829, Vol. 8, No. (1&2) 2012
- 207. Swami Vivekananda and Job Profile of Physical Education Teachers with reference to Physical Education Curriculum Journal Educational Research, **Krishna Banerjee(Biswas)**, 2012, Biannual Referred Journal in Education, ISSN No 2249-6130, 3,
- 208. Effect of Selected Exercises on Reaction Speed of Ruraland Urban School ChildrenIndian Journal of Physical Education Sports Medicine andExercise Science, Krishna Banerjee(Biswas), 2012, 2(1-2), ISSN No 0976-1101
- 209. Effect of Selected Exercises on Endurance of Rural and Urban Student of BA General Physical Education of Santipur College, **Krishna Banerjee**(Biswas), 2012, ISSN No 2249-8575
- Effect of Selected Exercises on Agility of Rural and Urban School Children Indian Journal of Health Nutrition and Physical Education, Krishna Banerjee(Biswas), 2013, ISSN 2320-3552, 1(1)
- 211. Swami Vivekananda and job profile of Physical Education teachers with reference to physical education curriculum. International Seminar on Thoughts and Ideas od Swami Vivekananda on Education, Krishna Banerjee(Biswas), 2012 Organised by Dept. of Education IASE University of Kalyani, Nadia.
- 212. Philosophy of Swami Vivekananda in man making International Seminar on Thoughts and Ideas of Swami Vivekananda on Education. Organised by Dept. of Education IASE ,University of Kalyani, Nadia, **Krishna Banerjee(Biswas)**, 2012.
- 213. Effects of Yogasana on selected physical and psychological parameters of school boys, **Kanchan Bandopadhyay**, 2012, Yoga-Mimamsa, XLIII(4), ISSN 0044-0507
- 214. Effect of Gymnastic Activities on Selected Physical and psychological parameters of school boys, **Kanchan Bandopadhyay**, 2012, Unmesh, 8(I & II0, ISSN 0974-9829
- 215. Swami Vivekandna's Love for sports and Physical Education, **Kanchan Bandopadhyay**, Indian Journal of Physical Education and Exercise Science, 2 & 3, ISSN 2277-6125

- 216. A Comparative study of Motor Fitness and selected Anthropometric variables Among the State level Cricketers and Volleyball players, **Kanchan Bandopadhyay**, AKASH, ISSN 2250-1398
- 217. A study on the Nature of Sports Injury Generally suffered by sportsman in North-Eastern State Tripura and Its Preventive Measures, Kanchan Bandopadhyay, AKASH, Proceedings, International Seminar on Physical Education Recreation and Yogic Sciences, Banaras, ISSN 2250-1398
- A comparative study of Yogasana and Gymnastic Activities on selected physical variables of school boys, Kanchan Bandopadhyay, proceedings International Seminar on Physical Education Recreation and Yogic Sciences, Varanasi, ISBN 92-8867-511-8,

DEPARTMENT OF BIOCHEMISTRY & BIOPHYSICS

- 219. Implications of calpains in health and diseases. **Sajal Chakraborti** Indian J Biochem. Biophys. 2012, 49:316-328. (Impact factor 1.0) (Citations: 2)
- 220. Role of PKC-α in NF-κB-MT1-MMP-mediated activation of proMMP-2 by TNF-α in pulmonary artery smooth muscle cells., Roy S, Chakraborti T, Chowdhury A, Chakraborti S, J Biochem, 2013, 153(3),289-302. (Impact factor 2.3) (Citation: 3)
- 221. Role of PKCα-p38 MAPK-Gia axis in peroxynitrite-mediated inhibition of β-adrenergic response in pulmonary artery smooth muscle cells., Chakraborti S, Roy S, Chowdhury A, Mandal A, Chakraborti T, Cell Signalling ,2013, 25(2),512-26. (Impact factor 4.4) (Citation: 8)
- 222. Effect of m-calpain in PKC-α-mediated proliferation of pulmonary artery smooth muscle cells by low dose of ouabain, Shaikh, S., Sarkar, J., Pramanik, A., Karmakar, K, Chakraborti, S. Ind. J. Biochem. Biophys., 2013, 50, 419-427 (Impact factor: 1) (citations: 6)
- 223. "Biosynthesis, Characterization & antifungal activity of silver nanoparticles synthesized by the fungus Aspergillus foetidus MTCC8876", Swarup Roy, Triparna Mukherjee, Shatarupa Chakraborty and Tapan Kumar Das, 2013, Digest journal of nanomaterials and biostructures. 8(1), 197 205.
- 224. "Activity of Biosynthesized Silver Nanoparticles in Combination with Synthetic and Natural Fungicide against some Pathogenic Fungi", Swarup Roy and Tapan Kumar Das, 2013, Asian Journal of Chemistry; 25, Supplementary Issue, 315-317.
- 225. "Synthesis and standardization of biologically synthesized silver nanoparticles", Swarup Roy and Tapan Kumar Das , 2013, AIP proceeding, 1536, 39-40.
- 226. "Fungus mediated synthesized Silver Nanoparticles enhancing activity of the synthetic fungicide against some pathogenic fungi", Swarup Roy and Tapan Kumar Das, 2012, National symposium on "Plant Microbe Interactions and Crop Health Management, Department of Plant Protection, Palli Siksha Bhavana (Institute of Agriculture), Visva-Bharati, Sriniketan, Birbhum, West Bengal-731236, 8.
- 227. "Optimization of Physio-Chemical Parameters and concentration determination for biosynthesized Silver nanoparticles", Swarup Roy, and Tapan Kumar Das, National Conference on Condensed Matter Physics, Condensed Matter Days 12, held, at the Birla Institute of Technology, Mesra, Ranchi, 51, 1-30,
- 228. "Activity of Biosynthesized Silver Nanoparticles in Combination with Synthetic and Natural Fungicide Against some Pathogenic Fungi", Swarup Roy and Tapan Kumar Das, 2013, International Conference on Nanoscience& Nanotechnology, (ICONN 2013),18-20 March 2013, SRM University, Kattankulathur-603203, Chennai, India, 106.
- 229. "Synthesis and standardization of biologically synthesized silver nanoparticles", Swarup Roy and Tapan Kumar Das, 2013,International Conference on Recent Trends in Applied Physics &

Material Science (RAM), 1-2 February, 2013. Held on Govt. College of Engineering & technology, Karni Industrial Area, Pugal Road, Bikaner -334004, Rajasthan, India, ID-A-1062, 25.

- 230. "Optimization of conditions for the green synthesis of silver nanoparticles by Aspergillus foetidus and its probable mechanism", Swarup Roy and Tapan Kumar Das , 2012, 53rd Annual Conference of Association of Microbiologist of India (AMI)-2012, International Conference on "Microbial World-Recent Innovations and Future Trends." Held on 22nd -25th Nov, 2012 at the KIIT University, Bhubaneswar, Odisha, PD2-620, 373.
- 231. Effect of lead nitrate in different tissues of Swiss albino mice. International Conference on Green Chemistry for Sustainable Development, Shatrupa Chakraborty, Triparna Mukherjee, Swarup Roy and Tapan Kumar Das, 2012, Jessore Science and Technology University, Bangladesh, 37
- 232. The Protective Potential of Dead Biomass Of Aspergillus sp Against lead Toxicity In Male Swiss Albino Mice, Shatarupa Chakraborty, Triparna Mukherjee, Swarup Roy, Tina Nasrin and Tapan Kumar Das ,2012,53 rd Annual conference of Association of Microbiologists of India, International conference on " Microbial World: Recent Innovation And Future Trends". KIIT University, Orissa
- Calcium chloride made E. coli competent for uptake of extraneous DNA through overproduction of OmpC protein, Aich. P, M. Patra, A. K. Chatterjee, S. Singha Roy and T. Basu, 2012, Protein J. OI 10.1007/s10930-012-9411-z. S, [IF – 1.038]
- 234. Evolutionary analysis of prokaryotic heat-shock transcription regulatory protein σ 32, Singha Roy S, M. Patra, T. Basu, R. Dasgupta and A. Bagchi, 2012, Gene 495, 49-55, [IF 2.341]
- 235. A simple robust method for synthesis of metallic copper nanoparticles of high antibacterial potency against E. Coli, Chatterjee A K, Sarkar R K, Chattopadhyay A P, Aich P, Chakraborty R and Basu T, 2012, Nanotechnology 23: 085103, 11, IF 3.979
- 236. Increase in UV mutagenesis by heat stress on UV-irradiated E. coli cells, Saha S and Basu T, Biochem, 2012, Genet. 50, 484-493, [IF 0.862]
- 237. One student was awarded Ph.D degree **Tarakdas Basu**, 2012, for his thesis work entitled "A Study on the Mechanism of DNA Entry during Artificial Transformation of E. coli with Plasmid DNA".
- Some UV-bystander effects are mediated through induction of antioxidant defense in mammalian cells, Ghosh R.*, Guha D., Bhowmik S., Karmakar S., 2012, Ind.J. Biochem. & Biophys, 49, 371-378, ISSN:0975-0959 (Online), 0301-1208 (Print)] [I.F. 1.142]
- Suppression of apoptosis leads to cisplatin resistance in cells subjected to chronic oxidative stress, Ghosh R.*, Girigoswami K., Guha D., 2012, Ind. J. Biochem. & Biophys 49:363-370 [ISSN:0975-0959 (Online); 0301-1208 (Print)] [I.F. 1.142] citations -1]
- UV released factors induce antioxidant defence in A375 cells, Ghosh R.*, Guha D., Bhowmik S,2012,Photochem Photobiol, 88(3), 708-716, Online ISSN: 1751-1097 © Wiley, American Society For Photobiology].[I.F. 2.697] [citations -3]
- 241. 9-phenyl acridine is a potent inducer of apoptosis in A375 cells, Ghosh, R.*, Bhowmik S., Guha D., 2012, Mol Cell Biochem, 361(1-2), 55-66. Epub 2011 Oct 1.,ISSN: 0300-8177 (print version) ISSN: 1573-4919 (electronic version) © Springer].[I.F. 2.329] [Citations -6]
- 242. Ph.D. thesis of One student entitled "Studies on the biological activities of some bioactive molecules" submitted by Sudipta Bhowmik, Ghosh R, 2012, awarded.
- 243. 115kDa serine protease confers sustained protection to visceral leishmaniasis caused by Leishmania donovani via IFN-γ induced down regulation of TNF-α mediated MMP-9 activity. Chowdhury R, das P, De T, Chakraborti T, 2013, Immunobiology 218(1), 114-26, (Impact factor 4.2)(citation 3)

- 244. Implications of calpains in health and diseases. S.Chakraborti , MN Alam, D Paik , Shaikh S, Chakraborti T,2012, Indian J Biochem. Biophys. 49(3),16-328. (Impact factor 1.0)(Citations: 2)
- 245. Role of PKC-α in NF-κB-MT1-MMP-mediated activation of proMMP-2 by TNF-α in pulmonary artery smooth muscle cells., Roy S, Chakraborti T, Chowdhury A, Chakraborti S ,2013, J Biochem. 153(3), 289-302. (Impact factor 2.3) (Citation: 3)
- 246. Role of PKCα-p38 MAPK-Giα axis in peroxynitrite-mediated inhibition of β-adrenergic response in pulmonary artery smooth muscle cells., Chakraborti S, Roy S, Chowdhury A, Mandal A, Chakraborti T, 2013, Cell Signalling 25(2), 512-26.(Impact factor 4.4) (Citation: 8)
- 247. Differential Expression of Intracellular Serine Protease in L.donovani: Putative roles in immunopathogenesis" Chakraborti T, 2012, at '100 years of Antimonial Drug' Organized at IICB, Kolkata, WB, India
- 248. Antileishmanial Activity of Potato Serine Protease Inhibitors (PSPIs): Leishmanial Serine Protease as Drug Target" Chakraborti T, 2012, at '100 years of Antimonial Drug' Organized at IICB, Kolkata, WB, India
- 249. Partial Purification and Characterization of a Novel Endogeneous Serine Protease Inhibitor from Indian Strain of Leishmania donovani, Chakraborti T, 2012, at '100 years of Antimonial Drug' Organized at IICB, Kolkata, WB, India.
- 250. Endogenous serine protease inhibitor(s) as prophylaxis against visceral leishmaniasis: An approach, Chakraborti T, 2012, at 'Research workshop on Inborn errors of metabolism & Metabolic Disorders' Organized by College of Medicine & JNM Hospital, WBUHS
- 251. Efficacy of natural inhibitory components from potato tubers targeting Leishmania donovani, Chakraborti T, 2012, at 'Research workshop on Inborn errors of metabolism & Metabolic Disorders'' Organized by College of Medicine & JNM Hospital, WBUHS
- 252. Leishmania donovani intracellular serine protease (SP-Ld) exacerbates infection in macrophages through COX-2 dependent Pro MMP-9/MMP-9 at Chakraborti T, 2013, 'Research workshop on, Inborn errors of metabolism & Metabolic Disorders' Organized by College of Medicine & JNM Hospital, WBUHS.
- 253. Modeling Family 2 Cystatins and their interaction with Papain. Journal of Biomolecular Structure and Dynamics, SumanK, Nandy, Rajabrata Bhuyan, Alpana Seal, 2012, DOI:10, 1080/07391102, 706403.
- 254. DB Dehydrogenase: an online integrated structrural database on enzyme dehydrogenase, SumanK, Nandy, Rajabrata Bhuyan, Alpana Seal, 2012,Bioinformation, 8(20), Bioinformation 8(20), 1000-1002.
- 255. Modeling Family 2 Cystatins and their interaction with Papain Suman K. Nandy, Rajabrata Bhuyan, Alpana Seal
- 256. Structural and functional studies of LytB protein of Plasmodium falciparum 3D7 using computational approaches, Suman K. Nandy, Rajabrata Bhuyan, Alpana Seal
- 257. Evolutionary analysis of prokaryotic heat-shock transcription regulatory protein σ 32. Sourav Singha Roy, Monobesh Patra, Tarakdas Basu, Rakhi Dasgupta, Angshuman Bagchi (2012) Gene 495, 49-55, I.F.: 2.196 ISSN: 0378-1119
- 258. A structural insight into the prokaryotic heat shock transcription regulatory protein σ 32: an implication of σ 32-DnaK interaction. Sourav Singha Roy, Monobesh Patra, Rakhi Dasgupta, Angshuman Bagchi (2012) Bioinformation 8, 1026–1029, I.F.: 1.106 ISSN:0973-2063
- 259. Hypoglycosylation of dystroglycan due to T192M mutation: A molecular insight behind the fact. S Bhattacharya, A Das, R Dasgupta, A Bagchi, 2013,Gene (Just Accepted) DOI information: 10.1016/j.gene.2013.11.071. I.F.: 2.196 ISSN: 0378-1119

- 260. In vitro holdase activity of E. coli small heat-shock proteins IbpA, IbpB and IbpAB: a biophysical study with some unconventional techniques. Sourav Singha Roy, Monobesh Patra, Suman Kumar Nandy, Milon Banik, Rakhi Dasgupta, Tarakdas Basu, 2013, Protein & Peptide Letters (Just Accepted). I.F.: 1.994 ISSN: 1875-5305 (Online) 0929-8665 (Print)
- 261. Structural insight into the formin binding property of human formin binding protein. Amit Das, Simanti Bhattacharya, Angshuman Bagchi and Rakhi Dasgupta, 2013, Journal of proteins and proteomics 4(2), 93-100, ISSN No. 0975-8151
- 262. Dp 71 and beta dystroglycan interaction:a molecular modeling approach to understand duchenne muscular dystrophy. Simanti Bhattacharya, Amit Das, Rakhi Dasgupta and Angshuman Bagchi 2013, Journal of proteins and proteomics 4(2), 101-107, ISSN No. 0975-8151.
- 263. Bioinformatics: Challenges in the post-genomic era", **Rakhi Dasgupta**, 2012 Organized by Bioinformatics Centre, School of Biotechnology, University of Jammu. Jammu.
- 264. "International Conference on Electron Microscopy and XXXIV Annual Meeting of the Electron Microscope Society of India (EMSI)", Rakhi Dasgupta, 2013, Organized by Saha Institute of Nuclear Physics (SINP), Kolakta and Electron Microscope Society of India (EMSI), East, Zone Chapter
- 265. Study on prokaryotic heat shock transcription regulatory protein σ 32: An evolutionary approach, **Rakhi Dasgupta**
- 266. Study on prokaryotic heat shock transcription regulatory protein σ32: An evolutionary approach, **Rakhi Dasgupta**
- 267. Structural insight into the mode of interactions of SoxL from Allochromatium vinosum in the global sulfur oxidation cycle, Angshuman Bagchi, Molecular Biology Reports, 39, 10243-10248
- 268. A brief overview of a few popular and important protein databases, Angshuman Bagchi Computational Molecular Bioscience, 2, 115-120
- 269. A structural insight into the prokaryotic heat shock transcription regulatory protein σ32: an implication of σ32-DnaK interaction Sourav Singha Roy, Monobesh Patra, Rakhi Dasgupta and Angshuman Bagchi (Corresponding author) Bioinformation, 8, 1026-1029
- 270. "Structural bioinformatic study of sulfur compound metabolizing sox operon" (Oral Presentation), Angshuman Bagchi, 2013, Bengal Science Lecture and Satellite Conference on Last 100 Years of Science in India, organized by West Bengal State Council of Science and Technology and Department of Science and Technology, Government of West Bengal
- 271. "Identification of amino acid residues in protein-protein interaction interfaces using machine learning and a comparative analysis of the generalized sequence- and structure based features employed" (Oral Presentation), Angshuman Bagchi, 2012, International Conference on Intelligent Infrastructure, organized by Computer Society of India (CSI), at Science City, Kolkata, India
- 272. Induction of apoptosis by benzamide in K562 cells was triggered by inhibition of poly(ADP-ribosyl)ation of protein(s). Utpal Ghosh1,* Nitai P. Bhattacharyya. J., 2013, Biotechnol. & Biomaterial, (in press) [I.F =Computing, OMICS Publishing Group]
- 273. Synthesis, Structure, Spectroscopic Characterization and Protein Binding Affinity of New Water Soluble Hetero- and Homometallic Tetranuclear [CuII2ZnII2] and [CuII4] Clusters Ayan Patra, a Tamal K. Sen, b Atanu Ghorai, c Ghezai T Musie, *d Swadhin K. Mandal, b Utpal Ghoshc and Manindranath Bera, 2013, a Inorg Chem, (in press) [I.F=4.601, American Chemical Society publication]

- 275. Biocapped Nanoparticles are More Bioactive to HeLa Cells than its Chemical Counterpart Utpal. Ghosh, Manickkam Nagalakshmi, Ratan. Sadhukhan, Agnishwar Girigoswami, , Adv. Sci. Eng. Med. **2013**. (in press). [I.F= computing, American Scientific Publisher]
- 276. Design and synthesis of anthracene-based bispyridinium amides: anion binding, cell staining and DNA interaction studies. Kumaresh Ghosh, Avik Ranjan Sarkar, Atanu Ghorai and Utpal Ghosh, 2012, New J chem , DOI:10.1039/c2nj21024j.[I.F=2.605, Royal Society of Chemistry publishing]
- 277. Synthesis, structural characterisation and cytotoxicity of new iron(III) 3 complexes with pyrazolyl thiosemicabazones; Nitis Chandra Saha, Chinmoy Biswas, Atanu Ghorai, Utpal Ghosh, Saikat Kumar Seth, Tanusree Kar, 2012, Polyhedron, 34(1-12), [I.F=2.057, Elsevier]

DEPARTMENT OF BOTANY

- 278. Jute Biology, Diversity, Cultivation, Pest Control, Fiber Production and Genetics, Maity, S., Chowdhury, S. and Datta, A.K., 2012, In: E. Lichtfouse (ed.), Organic Fertilisation, Soil Quality and Human Health, 227-262. Sustainable Agriculture Reviews 9, DOI 10.1007/978-94-007-4113-3_9, © Springer Science+Business Media B.V.
- 279. Black Cumin (Nigella sativa L.) A Review, Datta A.K., Saha, A., Bhattacharya, A., Mandal, A., Paul, R. and Sengupta, S, 2012, J. Plant Development Sci. 4(1),1-43.
- 280. Morphological and cytological studies in Nigella sativa L. and N. damascene L. (Ranunculaceae), Saha, A. and Datta, A.K. 2012, J. Plant Development Sci, 4(1), 63-67.
- 281. An updated overview on Aloe vera (L.) Burm. F. Med, Datta, A.K., Mandal, A., da Silva, J.A.T., Saha, A., Paul, R., Sengupta, S., Dubey, P.K., Halder, S. 2012, Arom. Plant Sci. Biotech. 6(1), 1-11.
- 282. Karyomorphological studies in four seed spices of Umbelliferae, Paul, R., Mandal, A. and Datta, A.K. 2012, J. Plant Development Sci, 4(2), 191-194.
- 283. Inter- and Intra-Plant Variations in Cytomictic Behavior of Chromosomes in Corchorus fascicularis Lamk, Mandal, A. and Datta, A.K. 2012, (Tiliaceae). Cytologia, 77(2), 269-277.
- 284. Male meiotic mutants with phenotypic marker traits in Uraria picta (Jacq.) DC, Bhattacharya, A. and Datta, A.K., 2012, The Nucleus 55(2), 95-99.
- 285. In vitro corm development, field evaluation and determination of genetic stability of cormderived elite Gladiolus germplasm, Saha, B., Datta, A.K., Datta, S. and da Silva, J.A.T. 2013, Floriculture Ornamental Biotechnol. (Global Science Books): 7(1), 82-85.
- 286. Macrotyloma uniflorum (Lam.) Verdc. (Leguminosae) A note on chromosomal studies, Halder, S., Datta, A.K., Mandal, A. and Ghosh, B.K., 2012, Cytologia 77(4), 77(4), 447-451
- 287. An overview on Andrographis paniculata (burm. F.) Nees, Ghosh B.K., Datta A.K., Mandal A., Dubey P.K. and Halder, S. 2012, Int. J. Res. Ayurveda Pharm, 3(6), 752-760.
- 288. Cytomixis an unique phenomenon, Mandal, A., Datta, A.K., Gupta, S., Paul, R., Saha, A., Ghosh, B.K. and Iqbal, M., 2012, Protoplasma 250(5), 985-996, DOI 10.1007/s00709-013-0493-z
- 289. Induced Genetic Male Sterility in Nigella sativa L. (Black Cumin), Mukherjee, S. and Datta, A.K., 2012, Cytologia. 78(1),105-111.

- 290. Pollen morphology of eight Corchorus spp. (Tiliaceae) and how their interrelationship aid efficient breeding, Mandal, A., Gupta, S., Datta, A.K., da Silva, J.A.T. and Datta, S. 2013, Int. J. Plant Breed. (Global Science Books) 7(2),101-105.
- 291. Pollination events in Nigella sativa L. (black cumin), Mukherjee, S., Mandal, A., Gupta S. and Datta, A.K, Int. J. Res. Ayurveda Pharm, 4(3), 342-344.
- 292. Interrelationship among eight Corchorus sp. (Tiliaceae) for efficient breeding endeavor, Mandal, A., Datta, A.K., Gupta, S. and Datta, S. 2013, In: DST Sponsored National Seminar on New Horizons in Biotechnology, 95-98,ISBN 978-81-927768-0-4
- 293. Characterization of two ambrette germplasms (Ablelmoschus moschatus (L.) Medik), Dubey, P.K., Mandal, A., Datta, A.K. and Datta, S. 2013, In: DST Sponsored National Seminar on New Horizons in Biotechnology, 99-104, ISBN 978-81-927768-0-4
- 294. Induced Chemical Mutagenesis (Ethyl methane sulphonate and Diethyl sulphate), Animesh Kumar Datta
- 295. In Andrographis paniculata (Burm. F.) Nees (Family: Acanthaceae), **Animesh Kumar Datta** Characterization and in vitro corm production of elite glandiolus varieties from the floricultural belt of West Bengal
- 296. Characterization of a Tn5-induced siderophore over-producing mutant of Rhizobium nodulating chickpea, B.S. Datta & Chakrabartty P.K., 2013, J.Mycopathol. Res. 51(1), 43-47, (ISSN 0971-3719)
- 297. Biological activities of essential oils and methanol extracts of five Ocimum species against pathogenic bacteria, Saha S., Dhar T. K., Sengupta C. and Ghosh P. D., 2013,Czech J. Food Sci., 3(2), 194-202.
- 298. A high throughput DNA extraction method from chemotypically heterogeneous plant species, Ghosh P. D., Chattopadhyay S., Adhikari S., Saha S., Mondal S., Kader A., Dey S. T., Bandhopadhyay T. K. and Sengupta C., 2013, Nature Protocol Exchange, 1-7.
- 299. Integration and interaction of some bioagents with fungicide, weedicide and plant growth regulator in jute disease management., Journal of Mycopathological Research, 50(1), 131.
- Comparative studies of antibacterial properties of three Pleurotus species (Oyster mushroom), Das N., Birja P., Mishra S., Bhattacharrya B. and Sengupta C. (2012, Nature and Sci., 10 (10), 178-183.
- 301. Optimization of different environmental parameters for the production of Indole (3) Acetic Acid by Burkholderia sp. Dacg1, isolated from the rhizosphere of Sesbania bispinosa, Dasgupta D., Ghati A., Sengupta C. and Pal G.,2012, Journal of Mycopathological Research, 50(1), 128-130.
- Protein and enzyme regulation towards salt tolerance of some Indian mangroves in relation to adaptation, Dasgupta N., Nandy P., Sengupta C., Das S., 2012, Trees ,26, 377-391.
- Salinity impact on the precarious mangroves: a biochemical study on some taxa from Indian Sunderbans, Dasgupta N., Nandy P., Sengupta C. Das S., 2012, Amer J. Pl. Physiol, 7(2), 53-69.
- Salinity mediated biochemical changes towards differential adaptability of three mangroves from Indian Sunderbans Dasgupta N., Nandy P., Sengupta C., Das S., 2012, J. Pl. Biochem. Biotechnol, 23, 33-43.
- Oils and methanol extracts of five Ocimum species against pathogenbacteria, Dhar T., Ghosh P. D. and Sengupta C., 2012, J. Food Sci., 21, 31-35.
- 306. Invitro propagation of Ocimum gratissimum L. (Lamiaceae) and its evaluation of genetic fidelity using RAPD marker Amer J., Saha S., Kader A., Sengupta C. and Ghosh P. D. ,2012, Pl. Sci.,3,64-74.

- 307. Integration and interaction of some bio-agents with fungicide, weedicide and Plant growth regulator in jute disease management, Bhattacharyya S. K., De R. K., Bandopadhyay A., Sen K. and Sengupta C., 2012, National symposium on Frontlines of Microbiological Research: Concepts and Applications, Abst. Session-III., 40.
- 308. Invitro screening of Plant growth promoting rhizobacteria against Collar rot pathogen of Cucumber, Sen K., Saha J., Sengupta C. and Bhattacharyya S. K., 2012, National symposium on Frontlines of Microbiological Research: Concepts and Applications. Abst. Session-III., 24.
- 309. Optimization of different environmental parameters for the production of Indole (3) Acetic Acid by Burkholderia sp. Dacg1, isolated from the rhizosphere of Sesbania bispinosa, Dasgupta D., Ghati A., Sengupta C. and Pal G., 2012, National symposium on Frontlines of Microbiological Research: Concepts and Applications. Abst. Session-II., 13
- 310. Aich Pulakesh (2013) A study on the mechanism of DNA entry during artificial transformation of E. coli with plasmid DNA. Ph. D thesis, Dept. of Botany, University of Kalyani, 156 pp.
- 311. Datta Partha (2012) Epidemiology and Management of Rots of Betel vine (Piper betle L.) caused by Phytophthora parasitica. Ph. D thesis, Dept. of Botany, University of Kalyani, 156 pp
- 312. Dutta Chandraval (2013) Studies on Microbiology and Quality Assurance System in Fin Fish and Shell Fish available in the Domestic markets of West Bengal with special Reference to Fish Processing plants. Ph. D thesis, Dept. of Botany, University of Kalyani, 203pp.
- 313. Nayak Subhransu (2012) Exploration, Detection and Prevention of Mycotoxinogenic Fungi of Rice, Ph. D thesis, Dept. of Botany, University of Kalyani, 160pp.
- Paul Anupam (2012) Comparative study of Chemical and Organic inputs for Sustainable production of Folk and Modern Varieties of Rice. Ph. D. thesis, Dept. of Botany, University of Kalyani, 108pp.
- 315. Adak MK, Mandal C, Ghosh N, Dey N (2012) Impact of heavy metal induced oxidative stress in plant system: some aspects. Advances in Plant Physiology. Vol.13
- 316. Maiti S, Ghosh N, Mandal C, Das K, Dey N, Adak M K (2012) Responses of the maize plant to chromium stress with reference to antioxidation activity. Braz. J. Plant Physiol 24(3):203-212
- 317. Ghosh N, Das SP, C Mandal, Gupta S, Das K, Dey N, Adak MK (2012) Variations of antioxidative responses in two rice cultivars with polyamine treatment under salinity stress. Physiol Mol Biol Plants 18(4):301-313
- 318. Mandal C, Ghosh N, Maiti S, Das K, Gupta S, Dey N, Adak MK (2013) Antioxidative responses of Salvinia (Salvinia natans L.) to aluminium stress and it's modulation by polyamine. Physiol Mol Biol Plants 19(1):91-103
- 319. Das K, Mandal C, Ghosh N, Dey N, Adak M K (2013) Cadmium accumulation in Marsilea minuta Linn. and its antioxidative responses. American Journal of Plant Sciences 4:365-371
- 320. Mandal C, Ghosh N, Dey N, Adak MK (2013) Physiological Responses of Salvinia natans L. to Aluminium Stress and Its Interaction with Putrescine. Journal of Stress Physiology & Biochemistry. 9(4):163-179.
- 321. Mandal C, Ghosh N, Adak MK, Dey N (2013) Interaction of polyamine on oxidative stress induced by exogenously applied hydrogen peroxide in Salvinia natans Linn. Theoretical and Experimental Plant Physiology, 25(3): 203-212
- 322. Mandal C, Das K, Ghosh N, Maiti S, Gupta S, Dey N, Adak M K (2012) Aluminium induced oxidative stress and its modulation by exogenous polyamine in Salvinia (Salvinia natans L.). J Bot Soc Bengal 66(1):37-43

- 323. Sen Sarkar, Neera & Anirban Roy (2012). Spectrum of diversity in Indian flora An assessment. In: Biological Diversity Origin, Evolution and Conservation (Eds. Arun Kumar Sharma, Debal Ray, & S. N. Ghosh). Viva Books Pvt. Ltd., New Delhi. pp. 209-242. ISBN: 9788130921136
- 324. Bandyopadhyaya, T., S. Datta, S. Das & Neera Sen Sarkar (2012). Diversity of scum algae in different polluted environments of West Bengal. In: P. Chatterjee Memorial Workshop Proc. On Cryptogamic Flora, Dept. of Botany, University of Calcutta.
- 325. Biswas, B., M. Mandal & Neera Sen Sarkar (2012). Diatom microfossils: A review. In: P. Chatterjee Memorial Workshop Proc. On Cryptogamic Flora, Dept. of Botany, University of Calcutta.
- 326. Mallik, B., S. S. Paul, R. Biswas & Neera Sen Sarkar (2012). An outline of the nutrient uptake processes in phytoplankton. In: P. Chatterjee Memorial Workshop Proc. On Cryptogamic Flora, Dept. of Botany, University of Calcutta.
- 327. Final Report of the Project entitled "Study on the Diversity of Scum and Bloom Algae in some Polluted Environs of West Bengal and their Potential use as Bioindicators" (PI – Dr. Neera Sen Sarkar), was submitted to the Funding Agency – West Bengal Biodiversity Board, Government of West Bengal.
- 328. Final Report of the Project entitled "Documentation and Registration of Traditional Rice Varieties of Different Districts of West Bengal as Farmers' Variety under the Protection of Plant Varieties and Farmers' Rights Act, 2001" (Co-PI – Dr. Neera Sen Sarkar), was submitted to the Funding Agency – Department of Environment, Government of WB.
- 329. Training Module on "Coastal Flora, with special reference to Mangroves of Sundarbans their problems and mitigation measures" for the Second Training Programme on Integrated Coastal Zone Management for State Government Officers; Organised by Marine Aquarium and Regional Centre, Zoological Survey of India, Ministry of Environment and Forests, Digha, District East Midnapore, WB.
- 330. Journal of Botanical Society of Bengal, ISSN- 0971-2976
- 331. Natural Products An Indian Journal, ISSN- 0974-7508
- 332. Advances in Applied Science ResearchAsian Journal of Plant Science an Research, BioTechnology- An Indian Journal Journal of Scientific and Innovative ResearchThe Journal of PhytopharmacologyAsian J Pharm Clin Res, ISSN- 0974-2441
- 333. Chakravorty A & Ghosh PD (2012) Multivariate approach to kernel development in Indian Rice Landraces. Lap Lambert Academic Publishing, Germany.
- 334. Saha S, Ghosh PD & Sengupta C (2012) Assessment of genetic diversity in three species of Ocimum using RAPD. In: Systematics, Biotechnology and Bioprospecting. pp. 841-846.
- 335. Ghosh PD (2012) Identification of genetic variation of Citrus tristeza virus from diversified complex and development of management strategy in citrus through plant transformation. In: Biology of Plants and Microbes, (Eds. Bose D, Roy S), Levant Books, Kolkata, India. pp. 8-22.
- 336. Saha S, Ghosh PD & Sengupta C (2012) Assessment of genetic diversity in three species of Ocimum using RAPD. In: Multidisciplinary Approaches in Angiosperm Systematic (Eds. Maiti G, Mukherjee SK), vol. 2, pp. 841-846.
- 337. Das M & Ghosh PD (2012) Biodiversity of medicinal plants in Howrah District. In: Multidisciplinary Approaches in Angiosperm Systematic (Eds. Maiti G., Mukherjee SK), vol. 1, pp. 436-444.
- 338. Ghosh PD (2012) Integrating biotechnology in biodiversity conservation strategies. In: Biodiversity conservation fundamental and applications (Eds. Eds. Saha H, Ghosh ML, Gangopadhyay G, Saha D, Singh PK, Sarker S, Das SC), pp.11-20.

- 339. Giri P, Ghosh PD & Mukherjee SK (2012) Biosynthetic potential of in vitro grown plants of Ocimum kilimandscharicum Guerke. In: Biodiversity conservation fundamental and applications (Eds. Saha H, Ghosh ML, Gangopadhyay G, Saha D, Singh PK, Sarker S, Das SC), pp.107-109.
- 340. Ghosh PD (2013) Current strategies for assessment and exploitation of biological resources for sustainable management of crop production. In: Eco-conservation and sustainable living organisms (Eds. Gurung C & Bhandari JN). Narosa Publishing House, New Delhi. pp. 31-39.
- 341. Tarafdar A, Biswas KK & Ghosh PD (2014) Molecular chartacterization of Citrus tristeza virus (CTV) genome. In: Molecular biology of Plant and Microbes (Ed. Sen A).pp. 1-12.
- 342. Saha S, Kader A, Sengupta C & Ghosh PD (2012) In vitro propagation of Ocimum gratissimum L. (Lamiaceae) and its evaluation of genetic fidelity using RAPD markers. American Journal of Plant Science 3: 64-74. [Impact factor is 0.36]
- 343. Doss SG, Chakraborti SP, Roychowdhuri S, Das NK, Vijayan K & Ghosh PD (2012) Development of mulberry varieties for sustainable growth and leaf yield in temperate and subtropical regions of India. Euphytica 185:215–225. [Impact factor 1.643]
- 344. <u>Saha S, Mukhopadhyay MK, Ghosh PD & Nath D</u> (2012) Effect of Methanolic Leaf Extract of Ocimum basilicum L. on Benzene-Induced Hematotoxicity in Mice. <u>Evidence Based</u> <u>Complement Alternative Medicine</u> (doi:10.1155/2012/176385). [Impact factor 1.722]
- Adhikari S, Bandyopadhyay TK & Ghosh PD (2012) Hormonal control of sex expression of cucumber (Cucumis sativus L.) with the identification of sex linked molecular marker. Nucleus. 55: 115-122. [ISSN: 0976-7975]
- 346. Mukhopadyay M, Bantawa P, Das A, Sarkar B, Bera B, Ghosh PD & Mondal TK (2012) Changes of growth, photosynthesis and alteration of leaf antioxidative defence system of tea [Camellia sinensis (L.) O.Kuntze] seedlings under aluminum stress. Biometals. 25: 1141-1154. [Impact factor 3.284]
- 347. Mondal TK, Bantawa P, Sarkar B, Ghosh PD & Chand PK (2012) Cellular differentiation, regeneration, and secondary metabolite production in medicinal Picrorhiza spp- a review. Plant Cell Tissue and Organ Culture. DOI 10.1007/s11240-012-0223-9. [Impact factor 3.633].
- Chakravorty A & Ghosh PD (2012) Grain dimension studies in view of kernel weight development in traditional rice of West Bengal. International Journal of Biosciences 2: 95-102. [ISSN No. : 2222-5234
- 349. Ghosh PD, Kader A & Sinha SN (2012) Evaluation of genetic diversity of Avicenniaceae family in Indian sundarban by using RAPD and ISSR markers. Iranian Journal of Genetics and Plant Breeding 1: 22-27. [ISSN No. : 2251-9610]
- 350. Mukhopadhyay M, Das A, Subba P, Bantawa P, Sarkar B, Ghosh PD & Mondal TK (2012) Structural, physiological, and biochemical profiling of tea plantlets under zinc stress. Biologia Plantarum 57: 474-480. [Impact factor 1.692].
- 351. Saha S, Dhar TN, Sengupta C, Ghosh PD (2013) Biological activities of essential oils and methanol extract of five Ocimum species against pathogenic bacteria. Czech Journal of Food Scence 31: 194-202. [Impact factor 0.685]
- 352. Mukhopadhyay M, Ghosh PD, Mondal TK (2013) Effect of Boron Deficiency on Photosynthesis and Antioxidant Responses of Young Tea Plantlets. Russian Journal of Plant Physiology, 60: 633–639. [Impact factor 0.617]
- 353. Ghosh PD, Chattopadhyay SK, Adhikari S, Saha S, Mondal S, Kader A, Dey ST, Bandyopadhyay TK & Sengupta C (2013) A high throughput DNA extraction method from chemotypically heterogeneous plant species. Protocol exchange (Nature Publishing House) doi:10.1038/protex.2013.018. [ISSN 2043-0116]

- 354. Adhikari S, Bandyopadhyay TK & Ghosh PD (2013) Characterization of Cymbopogon spp. and prospects of molecular barcoding through arbitrary primer based PCR assay. International journal of Indigenous Medicinal Plants 29: 1151-1160. [Impact factor 3.51].
- Mujib A, Banerjee S, Maqsood M & Ghosh P.D (2013) Organogenesis and plant regeneration in Zephyranthes rosea Lindl.: Histological and chromosomal study. Plant Biosystems (DOI:10.1080/11263504.2013.788097). [Impact factor 1.912]
- 356. Ghosh A, Ghosh PD, Chaterjee P (2013) Formulation of an antibacterial crop protectant using the acetylated derivative of 2, 7, (14), 10 Bisabolatriene-1, 9, 12 Triol, isolated from Curcuma Longa L. Asian Journal of Plant Science and Research 3: 95-99. [ISSN: 2249-7412].
- 357. Ghosh A, Ghosh PD, Chaterjee P (2013) A protocol for rapid propagation of genetically true to type Indian Turmeric (Curcuma longa L.) through in vitro culture technique. Advances in Applied Science Research 4:39-45. [ISSN: 0976-8610]
- 358. Ghosh A, Bandyopadhyay A, Ghosh PD, Chaterjee P (2013) Isolation of (Z)- 7 methoxy-1, 5dihydrobenzo[c] oxepine from Curcuma caesia Roxb. Journal of Scientific and Innovative Research 2: 795-801. [ISSN: 2320 – 4818]
- 359. Ghosh A, Ghosh PD, Chaterjee P (2013) Evaluation of antibacterial and antifungal potential of (Z)- 7 methoxy-1, 5- dihydrobenzo[c] oxepine, isolated from Curcuma caesia Roxb. Journal of Scientific and Innovative Research 2: 745-750. [ISSN: 2320 – 4818]
- Ghosh A, Bandyopadhyay A, Ghosh PD, Chaterjee P (2013) Isolation of novel terpenoid from the rhizome of Curcuma caesia Roxb. Journal of Scientific and Innovative Research 2: 777-784. [ISSN: 2320 – 4818]
- 361. Ghosh A, Ghosh PD, Chaterjee P (2013) Evaluation of the bioactive potentialities of a deacetyldehyde terpenoid isolated from Curcuma caesia Roxb. The Journal of Phytopharmacology 2: 1-7. [ISSN: 2320 480X].
- Chakraborty A, Ghosh PD (2013) Estimation of variability, diversity and correlation studies with respect to different agro-morphological traits in traditional rice of West Bengal. Oryza 50: 127-131. [ISSN: 0474-7615].
- 363. Das SS, Das S, Ghosh PD (2013) Optimization of DNA isolation and RAPD-PCR protocol of Acanthus volubilis wall., a rare mangrove plant from Indian Sundarban, for conservation concern. European Journal of Experimental Biology 3:33-38. [ISSN: 2248 – 9215]
- 364. Adhikari S, Biswas A, Bandyopadhyay TK & Ghosh PD (2013) A preliminary note on the genetic variation in pointed gourd (Trichosanthes dioica Roxb.) as assessed by Random Amplified Polymorphic DNA. Acta Biologica Hungarica (DOI: 10.1556/ABiol.64.2013.4.9). (Accepted) [Impact Factor: 0.504]
- Adhikari S, Bandyopadhyay TK & Ghosh PD (2013) Assessment of genetic stability of Cucumis sativus L. regenerated from encapsulated shoot tips. Scientia Horticultureae (Accepted). [Impact Factor: 1.730]
- 366. Ghosh A, Bondyopadhyay A, Ghosh PD & Chatterjee P (2014) Evaluation of Antibacterial Potentiality of a Cyclopenta Naphthalene Tetraol Terpenoid Isolated from Curcuma caesia Roxb. Research and Reviews: Journal of Botanical Sciences, 3(1): 27-34. [ISSN: 2320-0189].
- Das Tapoti, S Chaudhuri and S,Das 2012 Aerobiology of air-borne conidia of Alternaria over the crop canopy of radish under field conditions. J. Mycopathol. Res. 50(1) 49 -53. ISSN 0971-3719. Impact factor 4.4 (NAAS).
- 368. S.Nandi, S.Dutta, A.Mondal, A.Adhikari, R.Nath, A.Chattopadhay and S. Chaudhuri 2013 Biochemical responses during the pathogenesis of Sclerotium rolfsii on cowpea. Afr. J. Biotechnol.12(25): 3968-3977. (ISSN: 16845315 IP: 1.03, H index 35 Academic Journals)
- 369. A. Mondal, S. Dutta, S.P. Kuiry, D.Chakraborty, S.Nandi, S. Das, S.K. Ray and S. Chaudhuri 2013 The biochemical constituents and pectinase activities associated with the virulence of

- 370. Das, D and S. Chaudhuri 2012 Non-target effect of two fungicides on Glomus mosseae colonization of chilli roots. Mycorrhiza News 24 (2).
- 371. Mondal A., S. Dutta, S. Nandi, S. Das S. Chaudhuri 2012 Changes in defence-related enzymes in rice responding to challenges by Rhizoctonia solani. Arch. Phytopathology Plant Protect. 45(15) 1840-1851. (ISSN 0323-5408 Taylor & Francis)
- 372. Nandi S., A. Mondal, S. Chaudhuri and S. Dutta 2012 Physiological changes in Alternaria solani treated with Nativo®75 WG. Australas Mycologist, 30 5-12. (ISSN: 1441-5526)
- 373. Shamayeeta Sarkar and S. Chaudhuri 2013 Evaluation of the biocontrol potential of Bacillus subtilis, Pseudomonas aeruginosa and Trichoderma viride against bacterial wilt of tomato. Asian J. Biol. Life Sci. 2(2): 146 -151.
- 374. Gupta Sudha, Hore Madhuparna, and Biswas Subikash (2013). An overview of Fern Spore Bank Study: Need for Suitable Exploitation in India. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, Springer Publication. Published online on 23rd October 2013, doi no: 10.1007/s40011-013-0245-z.
- 375. Das S.K., Mandal A., Datta A.K., Gupta Sudha, Paul R., Saha A., Sengupta S. and Dubey P.K. 2013. Nucleotide Sequencing and Identification of Some Wild Mushrooms. World Sci J. (Hindwai Publication) Volume 2013 (2013), Article ID 403191, 7 pages. <u>http://dx.doi.org/10.1155/2013/403191</u>
- 376. Mandal Aninda, Datta Animesh K., Datta Siraj, Gupta Sudha, Sengupta Sonali, and Ghosh Benoy K. (2013). Assessment of stability and viability of a jute hybrid (Corchorus capsularis L. × C. trilocularis L.) and its trueness based on RAPD markers. The Nucleus, Springer Publication. (DOI 10.1007/s13237-013-0093-5)
- 377. Mukherjee Suchetana, Mandal Aninda, Gupta Sudha, and Datta Animesh K. (2013). Pollination events in Nigella sativa L. (Black Cumin). International Journal of Research in Ayurveda & Pharmacy. 4(3): 342-344.
- 378. Mandal Aninda, Datta Animesh K., Gupta Sudha, Paul Rita, Saha Aditi, Ghosh Benoy K., Bhattacharya Arnab, and Iqbal Mohsina (2013). Cytomixis – a unique phenomenon in animal and plant. Protoplasma 250: 985-996 (Doi – 10.1007/S00709-013-0493-Z)
- 379. Mandal Aninda, Datta Animesh K., Datta Siraj, Gupta Sudha (2013). Genetic assessment of eight Corchorus spp. (Tiliaceae) using RAPD and ISSR markers. The Nucleus, Springer Publication 56: 23-30. (DOI 10.1007/s13237-013-0076-6)
- 380. Mandal Aninda, **Gupta Sudha**, and Datta Animesh K. (2013). Environmental influence on cytomixis in Corchorus fascicularis Lamk. (Tiliaceae). Journal of Plant Developmental Sciences 5(1): 23-27.
- 381. Mandal Aninda, Gupta Sudha, Datta Animesh K., Teixeira da Silva Jaime A., and Datta Siraj (2013). Pollen morphology of eight Corchorus spp. (Tiliaceae) and how their interrelationships aid efficient breeding. International Journal of Plant Breeding 7(2): 101-105.
- 382. Mandal C., Ghosh N., Maiti S., Das K., **Gupta Sudha**, Dey N., and Adak M. K. (2013). Antioxidative responses of Salvinia (Salvinia natans Linn) to aluminum stress and its modulation by polyamine. Physiology and Molecular Biology of Plants. 19 (1): 91-103.
- 383. Mandal C., Das K., Ghosh N., Maiti S., Gupta Sudha, Dey N., and Adak M. K. (2012). Aluminum induced oxidative stress and its modulation by exogenous polyamine in Salvinia natans L. Journal Botanical Society of Bengal. 66(1): 37-43
- 384. Mandal Aninda, Datta Animesh K., Gupta Sudha and Datta Siraj (2013). Interrelationship among eight Corchorus sp. (Tiliaceae) for efficient breeding endeavor. In: DST Sponsored

National Seminar on New Horizons in Biotechnology, 30-31 August 2013, pp 95-98 (ISBN 978-81-927768-0-4)

- 385. Mandal Manjushree, Biswas Biswajit, Gupta Sudha, and Sen Sarkar Neera (2013). A quantitative affinities in diatom assemblages along a depth gradient in a sediment core from Sunderbans, India. In National Conference on "Frontiers of Algology and Algal Biotechnology" organized by Biotechnology Department, Visva Bharati University, Santiniketan during 15-17 November 2013
- 386. Hore Madhuparna, Talukdar Moumita, Biswas Subikash, Amed Sanif, Dey Sentu K., and Gupta Sudha (2012). Potentiality of Natural Fern Spore Bank in Conservation and Regeneration in National Seminar on "Cryptogams-The Key Contributors to Ecosystem" organized by CAS, Dept. of Botany, University of Calcutta and P. Chatterjee Research Foundation held on 7th December 2012, pp. 11.
- 387. Talukdar Moumita, Hore Madhuparna, Biswas Subikash, Amed Sanif, Dey Sentu K., and Gupta Sudha (2012). Heavy Metal Accumulation by Ferns: An Overview in National Seminar on "Cryptogams-The Key Contributors to Ecosystem" organized by CAS, Dept. of Botany, University of Calcutta and P. Chatterjee Research Foundation held on 7th December 2012, pp. 20.
- 388. Gupta Sudha, Subir Bera, and Manju Banerjee (2012). Vegetation responses in the critical climate change events of the Cenozoic sedimentary successions in the Ganga Basin, India in 13th International Palynological Congress and 9th International Organization of Palaeobotany Conference held on August 23-30 2012 at Chuo University in Tokyo, Japan
- 389. Banerjee Manju, Gupta Sudha, Rupali Dasgupta, and Samik Mitra (2012). Uplift of the Himalaya and its impact on the climatic and vegetational changes in the sub Himalayan foothills (Siwalik basins) of India and Bhutan in 13th International Palynological Congress and 9th International Organization of Palaeobotany Conference held on August 23-30 2012 at Chuo University in Tokyo, Japan
- 390. International Journal of Pharmaceutical Research and Bio-ScienceISSN- 2277-8713
- 391. Annual Botanical Conference 2012 held at Bangladesh
- 392. S.N. Sinha, 2012. In vitro antibacterial activity of ethanolic extract of Equisetum arvense L. Int. J. Pharma Biol. Sci. 3 (1): 19-21.
- 393. S.N. Sinha, 2012. Screening of antioxidant and antibacterial activities of various extracts of Withania somnifera (L). Int. J. Pharmacol. Therapeutics. 2(1): 36-42.
- S.N. Sinha, 2012. Antibacterial potential of crude methanolic extract of Leonotis nepetifolia (L) R.Br. Int. Res. J. Pharmacy. 3(2):277-278.
- S.N. Sinha, 2012. Phytochemical analysis and antibacterial potential of Moringa oleifera Lam. Int. J. of Sci. Innovations and Discoveries. 2(4): 401-407.
- 396. A. Kader, S.N. Sinha and P.D. Ghosh, 2012. Comparative study of RAPD and ISSR markers to evaluate the genetic diversity of Avicenniaceae family found in Indian Sunderban. Iranian J. of Genetics and plant Breeding. 1(2): 22-27.
- 397. S.N. Sinha, 2012. In vitro antioxidant activity of different extracts of Moringa oleifera Lam. Novel science International J. of Pharmaceutical Sciences. 1(9-10): 708-709.
- 398. S.N. Sinha and D. Paul, 2012. Detoxification of heavy metals by biosurfactants. Bulletin of Environmental and Scientific Research. 1(3-4):1-3.
- 399. Paul D and Sinha SN, 2013. Isolation of phosphate solubilizing bacteria and total heterotrophic bacteria from river water and study of phosphatase activity of phosphate solubilizing bacteria. Advances in Applied Science Research. 4(4):409-412.

- 400. Paul D and Sinha SN. 2013. Bacteria showing phosphate solubilizing efficiency in river sediment. Electronic Journal of Biosciences. 1(1):01-05.
- 401. Paul D and Sinha SN. 2013. Phosphorus absorption kinetics of some phosphate solubilizing bacterial strains isolated from river Ganga. Indian Journal of Science. 5(12): 11-14.
- 402. Paul D and Sinha SN. 2013. Phosphate solubilizing activity of some bacterial strains isolated from jute mill effluent exposed water of river Ganga. Indian Journal of Fundamental and Applied Life Sciences. 3(3):39-45.
- 403. Paul D and Sinha SN. 2013. Phosphate solubilization potential and phosphatase activity of some bacterial strains isolated from thermal power plant effluent exposed water of river Ganga. CIBTech Journal of Microbiology. 2(3):01-07.
- 404. Halder N and Sinha SN. 2013. Diversity of the genera Gloeotrichia Agardh and Rivularia (Roth.) Agardh from Hooghly district of West Bengal, India. Indian Journal of Fundamental and Applied Life Sciences. 3(3):29-35.
- 405. Halder N and Sinha SN. 2013. Some new records of the species of the genera Aphanothece Nag and Merismopedia Meyen from Hoghly district, West Bengal, India. Indian Journal of Plant Science. 2(3):58-65
- 406. S.N. Sinha, 2013. Phytochemical profiles and antioxidant activities of the leaf extracts of Gliricidia sepium. Int. J. of Innovations in Bioscience. 3(3): 87-91.
- 407. Paul D and Sinha SN. 2013. Assessment of various heavy metals in surface water of polluted sites in the lower stretch of river Ganga, West Bengal: A study for ecological impact, Discovery Nature. 6(14): 8-13
- 408. Sinha SN. 2013. Phytochemical screening and antioxidant activity of Usnea logissima. International Journal of Universal Pharmacy and life Sciences.3 (6):10-15.
- 409. Sinha SN and Paul D. 2013. Impact of sewage water on seed germination and vigour index of Cicer arietinum L. And Pisum sativum L. International Journal of Food, Agriculture and Veterinary Sciences. 3(3): 19-26.
- 410. S.N. Sinha and Paul D. 2013. Bacterial diversity in the surface sediments of Bay of Bengal near Bakkhali, West Bengal, India. Proceedings of the National Conference on Challenges in Biodiversity Conservation and Resource Management. Department of Zoology, University of Kalyani. In Press.
- 411. S.N. Sinha. 2012. Influence of Zinc on sewage treatment by a purple nonsulfur bacterium. Proceedings of the National Conference on Utilization of microbes for sustainable development, at Organised by Orissa University of Agriculture and Technology, Bhubaneswar. In Press.
- 412. Presented a paper entitled Biodegradation Potential of Some Bacterial Strains Isolated from Sewage Water in National Seminar on 'Biodiversity: Threats and Conservation through Traditional and Biotechnological Approaches' organized by Deptt. Of Botany, Zoology and Microbiology, Dumdum Motijheel College in collaboration with Bose Institute & Botanical Survey of India. Sponsored by UGC; CSIR; DST, Govt. of WB. 4-6th February, 2012.
- 413. Presented a paper in "19th West Bengal Science & Technology Congress 2012" organized by Saha Institute of Nuclear Physics, Kolkata and West Bengal Science & Technology Department, Government of West Bengal. 1-2nd March, 2012.
- 414. Presented a paper entitled In vitro Evaluation of Antioxidant Activity of Asparagus racemosus in National Seminar on Current Trends in Chemistry-VI (NSCTC-VI) organized by Deptt. of Chemistry, University of Kalyani, Kalyani-741235. W.B., India. Sponsored by UGC. 2nd March, 2012.

- 415. Presented a paper entitled Synthesis of Silver Nanoparticles Using Moringa Oleifera Lam and Its Antibacterial Activity in "82nd Annual Session of the Academy", The National Academy of Sciences, organized by Benaras Hindu University, Varanasi. 29th – 1st December, 2012.
- 416. Presented a paper entitled Antioxidant Potential of Parthenium hysterophorous L leaf extracts in seminar "Botanical Products in Human Welfare", organized by Department of Botany, Ramkrishna Mission Vivekananda Centenary College, Rahara, WB. 11th January, 2013.
- 417. Presented a paper in "20th West Bengal Science & Technology Congress 2013" organized by Bengal Engineering and Science University, Shibpur and West Bengal Science & Technology Council and Department, Government of West Bengal. 28th February-2nd March, 2013.
- 418. Presented a paper entitled Bioremediation of lead from river water through lead-resistance bacteria in 24th Congress of Zoological Society of India, Bodh Gaya, organised by Department of Zoology, University of Kalyani. 2013.
- 419. Presented a paper entitled Effect of Zinc on the Treatment of Domestic Sewage by a Phototrophic Bacterium in 53rd Annual Conference of Association of Microbiologists of India (AMI), International Conference on "Microbial World: Recent Innovations and Future Trends", organized by KIIT University, Bhubaneswar-751024, Odisha. 22nd – 25th November, 2012.
- 420. Presented a paper entitled Screening of Parthenium hysterophorus Extract for Antioxidant Activity in "Annual Botanical Conference 2012", organized by Department of Botany, University of Chittagong, Chittagong-4331 & Bangladesh Botanical Society, Bangladesh. 5th January, 2013.
- 421. Presented a paper entitled Phenolic content and antioxidant activity of some extracts of selected medicinal plants in "Annual Botanical Conference 2012", organized by Department of Botany, University of Chittagong, Chittagong-4331 & Bangladesh Botanical Society, Bangladesh. 5th January, 2013.
- 422. Presented a paper entitled Screening of antimicrobial activity of Adhatoda vasica L against pathogenic bacteria in "5th International Conference on Medicinal Plants and Herbal Products", organized by Manipal College of Pharmaceutical Sciences, Manipal University, Manipal. 25th 27th January, 2013.
- 423. Presented a paper in entitled Bioremediation of contaminated Ganga river water with effective microbes technology in 54th Annual Conference of Association of Microbiologists of India (AMI), Platinum Jubilee Celebrations for Association of Microbiologists of India and International Symposium on "Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance", organized by Department of Microbiology, Maharshi Dayanand University, Rohtak-124001, Haryana. 17th -20th November, 2013
- 424. **Bibliography of Flora and Ethnobotany of West Bengal.** Sunit Mitra, Subhajit Bandyopadhyay and **Sobhan Kumar Mukherjee** (ISBN : 978-81-924956-0-6). East Himalayan Society for Spermatophyte Taxonomy, Siliguri, West Bengal, India.
- 425. Multidisciplinary Approaches in Angiosperm Systematics 2012. Volume –I (Page 1 448) & Volume II (449 876) The contributory papers included in these two volumes of the book the presentations in the XVIII Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) and International Seminar on "Multidisciplinary Approaches in Angiosperm Systematics" Edited by Prof. Gaur Gopal Maiti & Prof. Sobhan Kumar Mukherjee. Department of Botany, University of Kalyani, Kalyani, Nadia. (ISBN : 978-93-5067-867-1).
- 426. Flora and Ethnobotany of West Dinajpur District, West Bengal . 2013. Sunit Mitra and Sobhan Kmar Mukherjee. (ISBN 978 - 8 -121-10738 - 9) Bishen Singh & Mahendra Pal Singh, Dehra Dun, India.

- 427. Cypselar features of some species of Heliantheae (Compositae):Taxonomic significance of <u>Phytomelanin layer</u>. 2013. Bidyut Kumar Jana and Sobhan Kumar Mukherjee, LAP LAMBERT Academic Publishing, Saarbrücken, Germany. EUR 49,00 Kostenlose Lieferung. ISBN-13: 978-3659343438
- 428. Cypselar Morphology, Anatomy and Their Taxonomic Significance . 2013. Bidyut Kumar Jana and Sobhan Kumar Mukherjee, (ISBN: 978-3-659-26571-6) LAP LAMBERT Academic Publishing, Saarbrücken, Germany.
- 429. **Cypselar Morpho-anatomy act as a Taxonomic Marker** 2013 . Bidyut Kumar Jana and **Sobhan Kumar Mukherjee,**. (**ISBN:** 978-3-659-26445-0) LAP LAMBERT Academic Publishing, Saarbrücken, Germany.
- 430. Talukdar, Tulika and Mukherjee, S. K. 2013. Cypselas diversity of the tribe Cardueae (Family Asteraceae) an overview. In : Cypselas Diversity of the Tribe Cardueae (Family Asteraceae) an Overview (Ed. Talukdar, Tulika). LAP LAMBERT Academic Publishing, Saarbrücken, Germany.(ISBN : 978-3-659-32000-2) pp. 1 74.
- 431. Jana, Bidyut Kumar and **Mukherjee, S. K.** 2012. Diversity of cypselar features of seven species of the genus Crepis L. in Compositae. Indian Journal of Fundamental and Applied Life Sciences. <u>http://www.cibtech.org/jls.htm</u> (ISSN: 2231 6345) 2 (1) : 51 58.
- 432. Jana, Bidyut Kumar and **Mukherjee, S. K.** 2012. Morphological and anatomical studies of cypselae of 3 species of the family Compositae. International Journal of Science Innovations and Discoveries. <u>www.ijsidonline.info</u> (ISSN: 2249 5347) 2 (3) : 386-393.
- 433. Jana, B. K. and **Mukherjee, S. K.** 2012. Comparative morphological and anatomical studies of cypselas of some members of the tribe Millerieae (Asteraceae). IJPRBS. ISSN : 2277-8713. www.ijprbs.com 1(5): 317-330.
- 434. Jana B. K. and **Mukherjee S. K.** 2012. Variations of cypselas of 5 taxa of the tribe Vernonieae (Asteraceae). IJPRBS. ISSN : 2277-8713. <u>www.ijprbs.com1</u>(5): 420-435.
- 435. Jana, B. K. and **Mukherjee, S. K.** 1012. Cypselar morphology of some species of the family Compositae and their taxonomic significance IJPRBS. ISSN : 2277-8713. <u>www.ijprbs.com</u> 1(5): 463-484.
- 436. Jana, B. K., Bar R. R. and Mukherjee, S. K. 2012 Carpological analysis of the species Elephantopus carolinianus Raeusch. of the tribe Moquinieae- Asteraceae. TLS. ISSN: 2319– 5037. 2012, 1(2): 1-4.
- 437. Bar, R.R., Jana, B. K. and **Mukherjee, S. K.** 2012. Morphological study of cypselas in 3 species of the tribe Vernonieae- Asteraceae. IJPRBS. ISSN : 2277-8713. <u>www.ijprbs.com</u> 1(6): 208-217.
- 438. Jana, B. K., Bar, R. R. and **Mukherjee, S. K.** 2012. Cypselar morpho-anatomy help in the separation of taxa, when flowering stage is not available. The Journal of Biodiversity, Photon, (ISJN 8359 6193) 112 (2012) : 160-165.(Impact Index : 3.78).
- 439. Saha, Lipika and **Mukherjee**, S. K. 2012. Morphological Variation of Trichomes in Some Common Species of Asteraceae. IJPRBS. ISSN : 2277-8713. <u>www.ijprbs.com</u> 1(5): 463-484.
- 440. **Mukherjee, S.K.** and Nordenstam, B. 2012. Diversity of trichomes from mature cypselar surface of some taxa from the basal tribes of Compositae. Compositae Newsletter. Published from Swedish Museum of Natural History, Stockholm, SWEDEN Vol. No. 50: 78 125.
- 441. Jana, B. K., Bar, R. R. and **Mukherjee, S. K.** 3013. Cypselar morphology and anatomy of five species of the tribe Inuleae- Asteraceae. International Journal of Pharma and Bio Sciences. (ISSN : 0975 6299) Jan; 4(1): (B) 911 919.Impact Factor : 0.67
- 442. Jana, B. K. and **Mukherjee, S. K.** 2013. Morpho anatomical studies of cypselas have been undertaken to solve some of the taxonomic problem. AARJMD. Asian Academic Research Journal of Multidisciplinary, (ISSN: 2319-2801) 1(5): 42-46.

- 443. Jana, B.K., Bar, R. R. and Mukherjee, S. K. 2013. Structural variations of cypselas of some taxa of the tribe Calenduleae (Asteraceae) on the basis of morphological observation. International Journal of Research in BioSciences. (ISSN: 2319 2844) 2 (1): 53-58.
- 444. Saha Dipti and **Mukherjee**, S. K. 2013. Taxonomic significance of petal venation of Oxalis corniculata Linn. J. Econ .Taxon. Bot. (ISSN: 0250-9768.) 36(3) : 458 463.
- 445. Jana, B. K. and Mukherjee, S. K. 2013. Cypselar characters of some species of the tribe -Senecioneae (Asteraceae), on the basis of morphological study. IJPRBS. (ISSN No. : 2277-8713) (IMPACT FACTOR : 0.525) 2 (1): 261-266.
- Roy, B., Jana, B. K. and Mukherjee, S. K. 2013. Micromorphological characters of some species of Compositae. Journal of International Academic Research for Multidisciplinary. (JIARM) (ISSN 2320 5083) 1 (4): 220-229.
- 447. Roy, S., Mondal, Tiloka and Mukherjee, S. K. 2013. <u>Diversity of cypselar characters in some members of the tribe Inuleae (Asteraceae)</u>. IJPRBS, (ISSN No. : 2277-8713) (IMPACT FACTOR : 0.525) 2(2) 82 -98.
- 448. Jana, B. K. ,Saha, S. and Mukherjee, S. K. 2013. <u>A comparative study of petal venation</u> between Brassica nigra and Brassica camprestris. (ISSN- 2250-0774) Advance Research in Pharmaceuticals and Biologicals. 3 (II) :1-5.
- 449. Roy, Bablu, Jana, B. K. and Mukherjee, S. K. 2013. Micromorphological characters of some species of Compositae. Journal of International Academic Research for Multidisciplinary. (<u>www.jiarm.com</u>), ISSN. 2320 -5083.1(4) : 220 – 229.
- 450. Jana, B. K. and Mukherjee, S. K. 2013. Morpho Anatomical studies of cypselas have been undertaken to solve some of the taxonomic problem. Asian Academic Research Journal of Multidisciplinary (<u>www.asianacademicresearch.org</u>). (ISSN: 2319-2801) 1(5): 42 – 46.
- 451. Jana, B. K., Murari, R. and Mukherjee, S. K. 2013. <u>Cypselar Morphology of Twelve</u> <u>Species of the Tribe - Lactuceae (Asteraceae)</u>. 2013. International Journal of Chemical and Pharmaceutical Research (ISSN 2319-1716). 2(5): 135 – 144.
- 452. Jana, B. K., Maitra, Kuntak and **Mukherjee, S. K.** 2013. Morpho-Anatomical observation of Alternanthera Philoxeroides Griseb. of the family Amaranthaceae. tInternational Journal of Chemical And Pharmaceutical Research (ISSN 2319-1716). Intl. J Chem Pharm Res. 2(6): 160-166.
- 453. Dey, Sentu Kr. and Mukherjee, S. K. 2013. Range of host variation of Cuscuta (Cuscutaceae) in Nadia district (West Bengal) along with haustorial structure in some host plant. IJPRBS, (ISSN No.: 2277-8713) (IMPACT FACTOR : 0.525) 2(4) : 72 -95.
- 454. Das, Sudipta Kumar and **Mukherjee, S. K.** 2013. Comparative morphological, anatomical and palynological observation in Ageratum conyzoides and Ageratum houstonianum of the family Compositae. IJPRBS, (ISSN No. : 2277-8713) (IMPACT FACTOR : 0.525) 2(4) : 48 -62.
- 455. Sadhukhan, Sanjay and Mukherjee, S. K. 2013. Petal venation of Galphimia gracilis Bartl. (Malphigiaceae). IJPRBS, (ISSN No.: 2277-8713) (IMPACT FACTOR : 0.525) 2(4): 63 - 71.
- 456. Mitra, Sunit and Mukherjee, S. K. 2013. Some less known plants from Malda district of West Bengal used for the treatment of arthritis, rheumatism and gout. IJPRBS, (ISSN No. : 2277-8713) (IMPACT FACTOR : 0.525) 2(4): 337 -345.
- 457. Jana, B. K. and Mukherjee, S. K. 2013. Study of petal venation in Ranunculus laetus of the family Ranunculaceae. Botany, International Journal of Chemical and Pharmaceutical Research. ISSN 2319-1716. 2(10): 316 – 320

- 459. Jana, B. K. and **Mukherjee**, S. K. 2013. Cypselar diversity of some species of the tribe Lactuceae (Compositae). J. Botan. Soc. Bengal .(ISSN 0971 2976) 67(1): 55-61.
- 460. Jana, B. K. and **Mukherjee**, S. K. 2013. Cypselar diversity between two taxa of the tribe Madieae (Compositae). Indian Journal of Plant Sciences. ISSN: 2319-3824.2 (3) : 23 -27.
- 461. Jana, B. K. and Mukherjee, S. K. 2013.Exomorphic and histological characters of fruits in some taxa of the tribe – Lactuceae (Asteraceae). J. Econ. Tax. Bot. 37 (2) : 372 – 378.ISSN NO: 2050 – 9768.
- 462. Jana, B. K. and **Mukherjee, S. K.** 2013. A general idea about phytomelanin layer in some Compositae. Indian Journal of Plant Sciences. ISSN: 2319-3824.2 (4) : 44-48.
- 463. Mukherjee, S. K. 2012. Linnaeus and his Apostles, In : Perspectives of Plant Taxonomy -Exploration, Herbarium, Nomenclature and Classification, Proceeding of the Seminar Cum Workshop Plant Explorations, Herbarium Techniques and Calcutta University Herbarium (CUH) (Ed. Debabrata Maity). Nava Udyog, Kolkata, India. pp. 100 – 121.
- 464. Jana, B.K. and Mukherjee, S. K. 2012. Cypsela as a taxonomic markar for the genus Solidago L. in the tribe Astereae (Asteraceae). In : Biodiversity Conservation : Fundamentals and Applications (Eds. Saha, H. et al.), Dum Dum Motijheel College, Kolkata, W. B., India. ISBN: 9789380663579, pp: 227-233.
- 465. Talukdar, Tulika and **Mukherjee, S. K.** 2011. Cypselar diversity in six taxa of Sunflower tribe (Tribe Heliantheae) of the family Compositae. In : Biodiversity Conservation : Fundamentals and Applications (Eds. Saha, H. et al.), Dum Dum Motijheel College, Kolkata, W. B., India. ISBN: 9789380663579, pp: 130 -132.
- 466. Jana, B. K. and Mukherjee, S. K. 2012. Diversity of cypselar features and their taxonomic significance in three species of the tribe Cardueae of Asteraceae. In : Diversity and Conservation of Plants and Traditional Knowledge (Eds. Panda, S. and Ghosh, C.), Bishen Singh, Mahendra Pal Singh, Dehra Dun. (ISBN : 978- 81-920386-1-2) pp. 249-257.
- 467. Mitra Sunit and Mukherjee, S. K. 2012. Some plants used as antidote to snake bite in West Bengal, India. In : Diversity and Conservation of Plants and Traditional Knowledge (Eds. Panda, S. and Ghosh, C.), Bishen Singh, Mahendra Pal Singh, Dehra Dun. (ISBN : 978-81-920386-1-2) pp. 515 537.
- 468. Bandyopadhyay, S. Haldar, D. and Mukherjee. S. K. 2012. A Census of Wild Edible and Medicinal Plants from Howrah district, West Bengal, India. Proceeding of UGC Sponsored National Seminar on "Plant Science Research in Human Welfare". 11th – 12th January, 2012, Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of India.(ISBN: 978-93-80673-71-04) pp. 15 - 25.
- 469. Mitra, S. and Mukherjee, S. K . 2012. Some less known alien species of West Bengal in human healthcare. Proceeding of UGC Sponsored National Seminar on "Plant Science Research in Human Welfare". 11th – 12th January, 2012, Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of India.(ISBN: 978-93-80673-71-04) pp. 38 - 58.
- 470. Ghosh, Tinku, Mukherjee, S. K. and Debnath, H. S. 2012. Comparative Taxonomic Studies of Four Species of Barleria L. (Tribe Justicieae Sensu Benth. & Hook. f. Acanthaceae) of N. E. India. In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp. 113 117.
- 471. Bandyopadhyay, S., Mitra, S. and **Mukherjee, S. K.** 2012. A Sketch on the Family Commelinaceae of West Bengal. In: "Multidisciplinary Approaches in Angiosperm

Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp.122 – 135.

- 472. Bhuinya, Trina and Mukherjee, S. K. 2012. Status of Litsea Lam. (Lauraceae) in Andaman and Nicobar Islands, India. In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp. 145 – 148.
- 473. Das, Debashis and Mukherjee, S. K. 2012. Diversity of Cypselar Features in Six Species of the tribe Lactuceae (Asteraceae). In: "Multidisciplinary Approaches in Angiosperm Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp.156 – 166.
- 474. Das, Pratyusha and Mukherjee, S. K. 2012. Morphoanatomical Study of Cypselas some members of the Tribe Anthemideae (Compositae). In: "Multidisciplinary Approaches in Angiosperm Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp. 175 – 181.
- 475. Tulika Talukdar and Mukherjee, S. K. 2012. Morphological Variations of Cypselas in Five Species of the Tribe - Lactuceae(Asteraceae). In: "Multidisciplinary Approaches in Angiosperm Systematics"(Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN: 978-93-5067-867-1. pp.182 – 185.
- 476. Mitra, S., Bandyopadhyay, S. and Mukherjee, S. K. 2012. Cucurbitaceae of West Bengal -A Cencus. In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235 , India. ISBN : 978-93-5067-867-1. pp. 186 – 205.
- 477. Brahma, Goutam, Debnath, H.S. and Mukherjee, S. K. 2012. Studies on Mangrove Flora of Lothian Island Wildlife Sanctuary Sundarbans, West Bengal. In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp.422 427.
- 478. Sarkar, Amal Kumar, Maiti, G. G. and Mukherjee, S. K. 2012. Seedlings of Mangrove and Its Impacts on the Ecosystem of Sundarban. In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp. 445 – 448.
- 479. Baul, Amulya, Sahu, S. C., Dhal, N. K. and Mukherjee, S. K. 2012. Ethno-Gynaecologica Study Among the Kondha Tribes of Rayagada District, Orissa, India. In: "Multidisciplinary Approaches in Angiosperm Systematics" (Eds. Maiti, G.G. and Mukherjee, S. K.). Publication Cell, University of Kalyani, Kalyani, West Bengal, 741235, India. ISBN : 978-93-5067-867-1. pp.655 – 660.
- 480. Mukherjee, S. K. 2012. Macromorphology of Capitula and Micromorphology of Pappus: Defensive Roles in Compositae. XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT – 2012). October 28 – 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.78.
- 481. Roy, Bablu, Mukherjee, S.K. and Maiti, G.G. 2012. Micromorphological Features of Some Members of Compositae and Their Taxonomic Significance. XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT – 2012). October 28 – 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.154.
- 482. Ghosh, Tinku and **Mukherjee, S.K.** 2012. Diversity of Bracts and Calyx of Barleria L. in India and Their Taxonomic Significance. XXII Annual Conference of Indian Association for

Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT – 2012). October 28 – 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.141.

- 483. Chaudhury, Suptotthita and Mukherjee, S.K. 2012. Variation of Floral Structure in Habenaria Willd.(Orchidaceae) In India. XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT 2012). October 28 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.138.
- 484. Das, Puspen, Hossain, Najbul and Mikherjee, S. K. 2012. Studies on the Members Of Cassia Linn. in Kalyani Township With Special Reference to Morphology of Posterior Petal. XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT – 2012). October 28 – 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.139.
- 485. Brahma, Goutam, and Mukherjee, S.K. 2012. Comparative Studies on the Mangrove Diversity Between Two Wildlife Sanctuaries of Sundarbans, West Bengal. XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT 2012). October 28 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.172-173.
- 486. Jana, Bidyut Kumar and Mukherjee, S.K. 2012. Variations of Cypselas of Five Taxa of The Tribe –Vernonieae (Asteraceae). XXII Annual Conference of Indian Association for Angiosperm Taxonomy and International Seminar on "Innovative Prospects in Angiosperm Taxonomy" (ISIPAT – 2012). October 28 – 30, 2012. Organized by Department of Botany, S.G.B. Amravati University, Amravati 444 602, Maharashtra, India. pp.69.
- 487. Jana, Bidyut Kumar and Mukherjee, S. K. 2012. Comparative Morphological and Anatomical Studies of Cypselas of Some Members of the Tribe Millerieae (Asteraceae). National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies on 29 – 30th September, 2012. Organizized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India. pp. 41.
- 488. Bandyopadhyay, S. and Mukherjee, S. K. 2012. A Contribution to the Fern Flora of Howrah District in West Bengal, India. National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies on 29 – 30th September, 2012. Organizized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India. pp. 38.
- 489. Saha, Lipika and Mukherjee, S. K. 2012. Morphological Variation of Trichomes in Some Common Species of Asteraceae. National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies on 29 – 30th September, 2012. Organizized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India. pp. 36.
- 490. Biswas, Subrata, Roy, Bablu and Mukherjee, S. K. 2012. Petal Venation of Standard in Desmodium triflorum (L.) DC. (Papilionaceae). National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies on 29 – 30th September, 2012. Organizized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India. pp. 53.
- 491. Saha, Subhayu, Das, Puspen and Mukherjee, S. K. 2012. Comparative Study of Petal Venation of Brassica camprestris L. and Brassica nigra Koch. National Conference on Recent Trends in Plant Diversity Study and Conservation Strategies on 29 – 30th September, 2012. Organizized by Department of Botany, Nagaland University, Hqs : Lumami – 798 627, Nagaland, India. P-55
- 492. Sunit Mitra and **Mukherjee**, S. K. 2012. Ethnobotanical Euphony in Some Pteridophytic Flora of North Bengal, West Bengal, India. National Conference on Recent Trends in Plant

Diversity Study and Conservation Strategies on 29 – 30th September, 2012. Organizized by Department of Botany, Nagaland University, Hqs : Lumami -798 627, Nagaland, India. pp. 65 66.

- 493. Baul, A., Mukherjee. S. K. and Dhal, N.K. 2012. Wild edible plants of Rayagada district, Odisha, India. 37th Annual Conference & P. Parija Memorial National Conference on Recent Advances in Plant Biotechnology on 22, 23th December, 2012. Organizized by Department of Botany, Ravenshaw University, Cuttack, India. pp. 61.
- 494. Baul, A., Mukherjee. S. K., Singh, N.R. and Dhal, N.K. 2012. Indigenous agro-biodiversity of Rayagada district, Odisha, India. 37th Annual Conference & P. Parija Memorial National Conference on Recent Advances in Plant Biotechnology on 22, 23th December, 2012. Organizized by Department of Botany, Ravenshaw University, Cuttack, India. pp. 52.
- 495. Bandyopadhyay, S. Haldar, D. and Mukherjee. S. K. 2012. A Census of Wild Edible and Medicinal Plants from Howrah district, West Bengal, India. UGC Sponsored National Seminar on "Plant Science Research in Human Welfare". 11th – 12th January, 2012, Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of India. pp. 28.
- 496. Mitra, S. and Mukherjee, S.K. 2012. Some less known alien species of West Bengal in human healthcare. UGC Sponsored National Seminar on "Plant Science Research in Human Welfare". 11th – 12th January, 2012, Organized by Department of Botany, Bidhannagar College, Kolkata in Collaboration with Botanical Survey of India. pp.30.
- 497. Bandyopadhyay, S. Mitra, S. and Mukherjee, S.K. 2013. Traditional Uses of Some Weeds of Asteraceae by the Ethnic Communities of Koch Bihar District, West Bengal. Centenary Session of The Indian Science Congress, 3rd to 7th January, Kolkata, 2013, Part II, Section of Plant Sciences, India. pp. 98.
- 498. Talukdar, Tulika and **Mukherjee, S.K.** 2013. Cypselar Diversity of the Genus Senecio L. (Tribe Senecioneae) an Overview. Centenary Session of The Indian Science Congress, 3rd to 7th January, Kolkata, 2013, Part II, Section of Plant Sciences, India. pp. 78.
- 499. Ghosh, Tinku and Mukherjee, S.K. 2013. Present Status of 3 Subtribes of The Tribe Justiceae (Acanthaceae) Sensu Benth. & Hook. f. in West Bengal. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 11.
- 500. Talukdar, Tulika and **Mukherjee, S.K.** 2013. Cypselas Features as Potential Key to the Species of the Genus Inula L. (Tribe-Inuleae) of Asteraceae. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 12.
- 501. Roy, Sudipta, Mondal, Tiloka and and Mukherjee, S.K. 2013. Diversity of Cypselar Characters in Some Members of the Tribe Inuleae (Asteraceae). Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 12-13.
- 502. Jana, Bidyut Kumar and **Mukherjee, S.K.** 2013. An Over View of Cypselas in Some Taxa of the Tribe Astereae- Asteraceae. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 13.
- 503. Mukherjee, S.K. 2013. Development and Concept of Metatree in Compositae. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 13 - 15.
- 504. Brahma, Goutam, Mukherjee, S.K. and Debnath, H. S. 2013. A Critical Analysis of the Present Status of The Flora of Sundarbans With Special Reference to Nypa Wurmb. and

Heritiera Buch.-Ham. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society.pp-15-16

- 505. Mitra, Sunit and Mukherjee, S.K. 2013. Ethnobotany of Some Pteridophytic Flora of Northern Part of West Bengal, India. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 30 - 31.
- 506. Mitra, Sunit and Mukherjee, S. K. 2013. Utility of alien species of Asteraceae in West Bengal. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. pp. 33 – 34.
- 507. Bandyopadhyay, S. and Mukherjee, S. K. 2013. Observation on the utilization of monocot flora by the ethnic communities of Koch Bihar district, West Bengal, India. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. pp.57.
- 508. Brahma, Goutam and Mukherjee, S. K. 2013. Floristic and ecological studies on some blocks of Sundarbans Tiger Reserves. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp. 45 46.
- 509. Talukdar Tulika and Mukherjee, S. K. 2013. Fruit diversity of few members of the tribe Heliantheae (Asteraceae) – morphological overview. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp.35.
- 510. Jana, Bidyut Kumar and Mukherjee, S. K. 2013. Notes on some epappose genera of Asteraceae of the world with special reference to India. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp.40.
- 511. Bar, Radharaman and Mukherjee, S. K. 2013. Morpho-anatomical variations in cypselas of four taxa of the tribe Gnaphalieae- Asteraceae. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp. 40 41.
- 512. Roy, Bablu and Mukherjee, S. K. 2013. Floral micromorphology of four species of the tribe Heliantheae (Asteraceae). U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp. 44.

- 513. Mukherjee, S. K. 2013. Diversity of testa in some taxa of Compositae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). Pp. 45.
- 514. Bandyopadhyay, S. and Mukherjee, S. K. 2013. A contribution to the sedges of Koch Bihar district, West Bengal. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur 440 033 (MS). Pp. 35.
- 515. Bar, Radharaman and Mukherjee, S. K. 2013. An investigation on interrelationship between ten taxa of the tribe Vernonieae- Asteraceae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). Pp. 35 - 36.
- 516. Jana, Bidyut Kumar and Mukherjee, S. K. 2013. Stylopodial diversity of some species of Asteraceae with the help of SEM. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). Pp. 40.
- 517. Saha, Lipika and Mukherjee, S. K. 2013. Trichomes in ten locally available species of Compositae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). Pp. 48.
- 518. Ghosh, Tinku and Mukherjee, S. K. 2013. Distribution of some taxa of Acanthaceae (sub tribe Andrographideae, Barlerieae and Asystasieae of tribe Justicieae sensu Benth. & Hook. f.) in North East India. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur 440 033 (MS). Pp. 53- 54.
- 519. Shil, Abhijit and Mukherjee, S. K. 2013. Cypselar features of some species of Compositae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur 440 033 (MS). Pp.62
- 520. Siddhanta, Suchandrima, Maiti, G. and Mukherjee, S. K. 2013.Summarization graphics of foliar morphology and its corresponding marginal characters of Cayrata trifilia (L.) Domin. (Vitaceae). In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur 440 033 (MS). Pp. 62 63.
- 521. Tinku Ghosh : "Taxonomic study of the Indian members of the subtribes Andrograhideae, Barlerieae and Asystasieae of tribe Justiceae sensu Benth,. & Hook.f. (Acanthaceae)": Tulika Talukdar: "Numerical analysis of micromorphological and anatomical features of cypselas of some members of Asteraceae"
- 522. **Mr. Goutam Brahma:** "Assessment of phytodiversity in correlation with physio- chemical parameters of water and soil samples of Sundarbans"

- 523. Das Tapoti, S Chaudhuri and S,Das 2012 Aerobiology of air-borne conidia of Alternaria over the crop canopy of radish under field conditions. J. Mycopathol. Res. 50(1) 49 -53. ISSN 0971-3719. Impact factor 4.4 (NAAS).
- 524. S.Nandi, S.Dutta, A.Mondal, A.Adhikari, R.Nath, A.Chattopadhay and S. Chaudhuri 2013 Biochemical responses during the pathogenesis of Sclerotium rolfsii on cowpea. Afr. J. Biotechnol.12(25): 3968-3977. (**ISSN**: 16845315 IP: 1.03, H index 35 Academic Journals)
- 525. A. Mondal, S. Dutta, S.P. Kuiry, D.Chakraborty, S.Nandi, S. Das, S.K. Ray and S. Chaudhuri 2013 The biochemical constituents and pectinase activities associated with the virulence of Rhizoctonia solani isolates in rice in West Bengal, India. Afr. J. Agric. Res.,8(23): 3029-3035. (ISSN: 1991637X H index 8, Academic Journals)
- 526. Das, D and S. Chaudhuri 2012 Non-target effect of two fungicides on Glomus mosseae colonization of chilli roots. Mycorrhiza News 24 (2).
- 527. Mondal A., S. Dutta, S. Nandi, S. Das S. Chaudhuri 2012 Changes in defence-related enzymes in rice responding to challenges by Rhizoctonia solani. Arch. Phytopathology Plant Protect. 45(15) 1840-1851. (ISSN 0323-5408 Taylor & Francis)
- 528. Nandi S., A. Mondal, S. Chaudhuri and S. Dutta 2012 Physiological changes in Alternaria solani treated with Nativo®75 WG. Australas Mycologist, 30 5-12. (ISSN: 1441-5526)
- 529. Shamayeeta Sarkar and S. Chaudhuri 2013 Evaluation of the biocontrol potential of Bacillus subtilis, Pseudomonas aeruginosa and Trichoderma viride against bacterial wilt of tomato. Asian J. Biol. Life Sci. 2(2): 146 -151.

DEPARTMENT OF CHEMISTRY

- 530. Palladium-catalyzed 8-exo trig intramolecular Heck reaction under microwave irradiation in the presence of basic alumina, P. Saha, S. Mondal, A. Hazra, S. Naskar, A. Maity, K. B. Sahu, R. Paira, P. Paira, S. P. Das, S. Banerjee and N. B. Mondal, Synthetic Commun. 42, 3166 (2012)
- 531. Degradation Dynamics of Chromafenozide in Different Types of Soil, P. Ditya, S. P. Das and A. Bhattacharyya, Bull. Environ. Contam. Toxicol. 89, 322–327 (2012)
- 532. HPLC Method Development and Validation of Chromafenozide in Paddy, P. Ditya, S. P. Das and A. Bhattacharyya, Bull Environ Contam. Toxicol. 89, 1277–1283, (2012)
- 533. Fate and Persistence of Herbicide Quizalofop-p-tefuryl on black gram, S. Mukhopadhyay, A. Bhattacharyya and S. P. Das, J. Crop Weed 8, 190-92 (2012)
- 534. Bioavailability of arsenic in the soil horizon: a laboratory column study, S. J. Sahu, B. Nath, S. Roy, B. Mandal and D. Chatterjee, Environ. Earth Sci. 65, 813-821 (2012)
- 535. Testing tubewell platform color as a rapid screening tool for arsenic and manganese in drinking water wells, A. Biswas, B. Nath, P. Bhattacharya, D. Halder, A. K. Kundu, U. Mandal, A. Mukherjee, D. Chatterjee and G. Jacks, Environ. Sci. Tech. 46, 434-440 (2012)
- 536. Consumption of brown rice: A potential pathway for arsenic exposure in rural Bengal, D. Halder, S. Bhowmick, A. Biswas, U. Mandal, J. Nriagu, D. N. Guha Mazumdar, D. Chatterjee and P. Bhattacharya, Environ. Sci. Tech. 46, 4142-4148 (2012)
- E-cadherin polymorphism and susceptibility to arsenic-related skin lesions in West Bengal, India, J. Nriagu, T. S. Lin, D. N. Guha Mazumder, D. Chatterjee, Science Total Environ. 420, 65-72 (2012)
- 538. Hydrogeochemical contrast between brown and grey sand aquifers in shallow depth of Bengal Basin: Consequences for Sustainable drinking water supply, A. Biswas, B. Nath, P.

Bhattacharya, D. Halder, A. K. Kundu, U. Mandal, A. Mukherjee, D. Chatterjee, C. M. Mörth and G. Jacks, Science Total Environ. 431, 402-412 (2012)

- 539. Arsenic in Grondwater of Young Bengal Delta Plain of India: It's Distribution and Geochemistry, D. Chatterjee, S. Majumder, A. Biswas, D. Halder, S. Bhowmick, D. Chatterjee, A. Mukherjee-Goswami, J. Jana, D. Saha, A. K. Kundu and S. Sarkar, Ind. Soc. Appl. Geochem. 170-185 (2012)
- 540. Remediation of inorganic arsenic in groundwater for safe water supply: a critical assessment of technological solutions P. Mondal, S. Bhowmick, D. Chatterjee, A. Figoli, B. V. Der Bruggen, Chemosphere 92, 157-170 (2013)
- 541. Reconstructing the sedimentation history of the Bengal Delta Plain by means of geochemical and stable isotopic data, H. Neidhardt, A. Biswas, D. Freikowski, S. Majumder, D. Chatterjee and Z. Berner, Applied Geochem. 36, 70-82 (2013)
- 542. The synthesis and optical properties of novel triphenylamine containing 1,3,4-oxadiazole derivatives, K. C. Majumdar, P. K. Shyam, A. Biswas, S. De, J. Luminescence 143, 321 (2013)
- 543. Surfactant-assisted Shape Control of Copper Nanostructures, S. De and S. Mandal, Colloids Surf. A: Physicochem. Engg. Aspects 421, 72 (2013)
- 544. Enantiodivergent and enantioconvergent synthesis of the dendrobate alkaloid 241 D, N. Saha and S. K. Chattopadhyay, J. Org. Chem. 77, 11056 (2012)
- 545. An enantiodivergent synthesis of N-protected azetidine 2-carboxylic acid, T. Biswas, J. Mukherjee and S. K. Chattopadhyay, Tetrahedron:Asymmetry 23, 1416 (2012)
- 546. A new route to pyrano[3,2-a]carbazole ring system and annulated derivatives thereof, S. K. Chattopadhyay, D Ghosh, P. Mondal and S. K. Ghosh, Synthesis 2448 (2012)
- 547. A new entry to the phenanthridine ring system, P. Mondal, L. Thander and S. K. Chattopadhyay, Tetrahedron Lett. 53, 1328 (2012)
- 548. Rhodamine-labeled sensor bead as colorimetric and fluorometric dual-assay for Hg²⁺ ions in water, K. Ghosh and T. Sarkar, Asian J.Org. Chem. 2, 157-163 (2013)
- 549. A new quinoline based chemosensor in ratiometric sensing of Hg²⁺ ions, K. Ghosh and D. Tarafdar, Supramolecular Chem. 25, 127 132 (2013)
- 550. Benzimidazolium-based receptors: Case of iodide-water cluster induced supramolecular chain and improved fluorometric binding of iodide involving alcoholic group, K. Ghosh and I. Saha, J. Mol. Struct. 1042, 57 (2013)
- 551. Anthraquinone coupled benzothiazole-based receptor for selective sensing of Cu²⁺, K. Ghosh and D. Kar, J. Inclusion phenomena macrocyclic chem. 77, 67 -74(2013)
- 552. Anthracene labeled 1,2,3-triazole linked bispyridinium amide for selective sensing of H₂PO₄⁻ by fluorescence and gel formation, K. Ghosh, A. R. Sarkar and A. P. Chattopadhyay, Euro. J. Org. Chem. 7, 1311(2012)
- 553. Cholesterol appended pyridinium ureas: A case of gel making and breaking for selective visual readout of F⁻, K. Ghosh and D. Kar, Org. Biomol. Chem. 10, 8800 (2012)
- 554. L-Valine-derived simple benzimidazole-based host in selective sensing of Hg(II) ions, K. Ghosh and T. Sarkar, Supramol. Chem. 24, 748 (2012)
- 555. Pyridinium-based fluororeceptors as practical chemosensors for hydrogen pyrophosphate (HP₂O₇³⁻) in semiaqueous and aqueous environments, K. Ghosh, A. R. Sarkar, A. Samadder, A. R. Khuda-Bukhsh, Org. Lett. 14, 4314 (2012)
- 556. A rhodamine appended tripodal receptor as a ratiometric probe for Hg²⁺ ions, K. Ghosh, T. Sarkar, A. Samadder, Org. Biomol. Chem. 10, 3236 (2012)

- 557. Enediyne scaffold-based highly selective chemosensor for ratiometric sensing of H₂PO₄⁻ ions, K. Ghosh, S. S. Ali and S. Joardar, Tetrahedron Lett. 53, 2054 (2012)
- 558. Design and synthesis of anthracene-based bispyridinium amides: Anion binding, cell staining and DNA interaction studies, K. Ghosh, A. R. Sarkar, A. Ghorai and U. Ghosh, New J. Chem. 36, 1231 (2012)
- 559. Ortho-phenylenediamine-based open and macrocyclic receptors in selective sensing of H₂PO₄, ATP and ADP under different conditions, K. Ghosh and I. Saha, Org. Biomol. Chem. 10, 9383 (2012)
- 560. Rhodamine-based bis-sulfonamide as a sensing probe for Cu²⁺ and Hg²⁺ ions, K. Ghosh, T. Sarkar, A., R. Khuda-Bukhsh, New J. Chem. 36, 2121 (2012)
- 561. Tetranuclear assembly of palladium(II): Catalyst for C–C coupling reactions, P. Pattanayak, J. L. Pratihar, D. Patra, C.-H. Lin and S. Chattopadhyay, Polyhedron, 63, 133 (2013)
- 562. Activation of ortho C-H bond by nickel(II) acetate or sodium tetrachloropalladate(II) in naphthyl imino derivatives of azobenzene, D. Patra, P. Pattanayak, J. L. Pratihar, and S. Chattopadhyay, Polyhedron, 51, 46 (2013)
- 563. Osmium and cobalt complexe incorporating facially coordinated N,N,O donor azo-imine ligands: Redox and catalytic properties, P. Pattanayak, D. Patra, J. L. Pratihar, A. Burrows, M. F. Mahon and S. Chattopadhyay, J. Chem. Sci. 125, 51 (2013)
- 564. Sustainable development Promose and challenges in chemical sciences, M. Sarkar, P. Majumdar, K. Ghosh and M. Das, Jalchintan 1, 31-42 (2013)
- 565. Advances in metal-free heterocycle-based Columnar Liquid Crystals, B. Roy, N. De, K. C. Majumdar, Chem. Eur. J. 18, 14560-14588 (2012)
- 566. An atom-economical approach to the synthesis of potentially bioactive 2H- chromenes via CuI-catalyzed reaction of alkyl/aryl-(E)-(o-propargyloxy)styryl ketones, K. C. Majumdar, I. Ansary, P. K. Shyam and B. Roy, Synlett 23, 1225-1229 (2012)
- 567. Studies of intramolecular nitone-alkene cycloaddition reaction: Regio and diastereoselective synthesis of chlorinated isoxazolidines, B. Roy and R. N. De, Ind. J. Chem. 52B, 146-152 (2013)
- 568. An unusual one-pot synthesis of 3-benzoylcoumarins and coumarin-3-carbaldehydes from 2hydroxybenzaldehydes under esterification conditions, K. C. Majumdar, S. Samanta, I. Ansary and B. Roy, RSC Advances 2, 2137–2143 (2012)
- 569. Synthesis, Crystal Structure, Spectroscopic and Microbiological Studies of a Cobalt(III) Schiff base Complex and Its Use as a Heterogeneous Catalyst for the Oxidation Reaction under Mild Condition, S. M. Islam, A. Singha Roy, S. Chatterjee, P. Mondal, S. Dalapati, K. Ghosh, R. Saha, K. Sarkar, N. Guchhait and P. Mitra, J. Mol. Catal. A: Chem. 380, 94-103 (2013)
- Highly efficient recyclable polymer anchored palladium catalyst for C-C and C-N coupling reactions, S. M. Islam, N. Salam, P. Mondal, A. Singha Roy, J. Mol. Catal. A: Chem. 366, 321–332 (2013)
- 571. Polymer anchored Cu(II) complex as an efficient catalyst for selective and mild oxidation of sulfides and oxidative bromination reaction, S. M. Islam, A.S. Roy, P. Mondal, N. Salam, S. Paul, Catalysis Lett. 143, 225-23 (2013)
- 572. In situ prepared mesoporous silica nanosphere supported palladium(II) 2- aminopyridine complex catalyst for Suzuki–Miyaura cross-coupling reaction in water, P. Mondal, S. Banerjee, A. S. Roy, T. K. Mandal and S. M. Islam, J.Mater. Chem. 22, 20434–20442 (2012)
- 573. Selective hydrogenation and Suzuki crosscoupling reactions of various organic substrates using a reusable polymer-anchored palladium(II) Schiff base complex, S. M. Islam, A. S. Roy, P. Mondal and N. Salam, Applied Organometallic. Chem. 26, 625-634 (2012)

- 574. Highly efficient base catalysis and sulfide oxidation reactions over new functionalized mesoporous polymers, N. Salam, P. Mondal, J. Mondal, A.S. Roy, A.Bhaumik, S.M. Islam, RSC Advances 2, 6464- 6477 (2012)
- 575. A reusable polymer supported copper catalyst for the C–N and C–O bond cross-coupling reaction of aryl halides as well as arylboronic acids, S.M. Islam, S. Mondal, P. Mondal, A.S. Roy, K. Tuhina, N. Salam, M. Mobarak, J. Organometallic Chem. 696, 4264-4274 (2012)
- 576. Catalytic and kinetic study of the liquid-phase hydrogenation of various organic substrates over a polymer-anchored Pd(II) catalyst S.M. Islam, S. Mondal, P. Mondal, A.S. Roy, N. Salam, S. Paul, M. Mobarak, Transition Metal Chem. 36, 699-706 (2012)
- 577. Olefin epoxidation with tert-butyl hydroperoxide catalyzed by functionalized polymersupported copper(II) Schiff base complex, S.M. Islam, A.S. Roy, P. Mondal, M. Mobarok, B. Roy, N. Salam, S. Paul, S. Mondal. Monatsh Chem. 143, 815–823 (2012)
- 578. Bis(N-benzyl piperazino) thiuram disulfide and dibenzothiazyl disulfide as synergistic safe accelerators in the vulcanization of natural rubber, Md. N. Alam, S.K. Mandal and S.C. Debnath, J. Appl. Polym. Sci. 126, 1830–1836 (2012)
- 579. Reclaiming of ground rubber tire by safe multifunctional rubber additives: I. tetra benzylthiuram disulfide, S. K. Mandal, N. Alam and S. C. Debnath, Rubber Chem. Technol. 85, 629-644 (2012)
- 580. Synthetic strategy of porous ZnO and CdS nanostructures doped ferroelectric liquid crystal and its optical behavior, K. Pal, U.N. Maiti, T. P. Majumder, S. C. Debnath, N. Bennis and J. M. Otón, J. Mol. Struct. 1035, 76-82 (2013)
- 581. Naturally Occurring Amino Acids: A Suitable Substitute of N-N/- Di-phenyl Guanidine (DPG) in Silica Tyre Formulation? S. C. Debnath, A. Das, D. Basu and G Heinrich, Kautsch. Gummi. Kunsts. 66, 25-31 (2013)
- 582. Architectonics of active sites: Life processes at nanodimension; (Book chapter in book entitled Manipulation of Nanoscale Material: An Introduction to Nanoarchitectonics), Ed: K. Ariga, S. Dutta Banik, N. Nandi, Royal Society of Chemistry, 213-241, ISBN: 978-1-84973-415-8, ISSN: 1757-7136, 2012
- 583. Differential Föster Resonance Energy Transfer from the Excimers of Poly (N-vinylcarbazole) to Coumarin 153, D. Ghosh, N. Nandi and N. Chattopadhyay, J. Phys.Chem. B, 2012, 116, 4693-4701.
- 584. Mechanism of the activation step of the aminoacylation reaction: A significant difference between class I and class II synthetases, S. Dutta Banik, N. Nandi, J. Biomol. Struct. Dyn 30, 701-715 (2012)
- 585. A novel copper(II) coordination polymer with carboxylate and isoindol backbones of a bifunctional ligand, A. Patra, T. K. Sen, G. T. Musie, S. K. Mandal, M. Bera, J. Mol. Struct. 1047, 317-323 (2013)
- 586. Diversity of carboxylate binding in a new tetranuclear zinc cluster: correlation between spectroscopic investigations and carboxylate binding modes, A. Patra, T. K. Sen, R. Bhattacharyya, S. K. Mandal, M. Bera, RSC Advances 2, 1774-1777 (2012)
- 587. New dinuclear cobalt(II) and zinc(II) complexes of a carboxylate rich dinucleating ligand: synthesis, structure, spectroscopic characterization and their interactions with sugars, M. Bera, A. B. S. Curtiss, G. T. Musie, D. R. Powell, Inorg. Chem. 51, 12093-12101 (2012)
- 588. Oxidative assembly of octahedral nickel(II)-tris(3,5-dimethylpyrazol-1-yl)methane(Tpm) complexes by reaction of Ni(OCD)2(COD = 1,5-cyclooctadiene) with putative oxene and nitrene precursors, S. Liang, S. Chattopadhyay, J. L. Petersen, V. G. Young, Jr. and M. P. Jensen, Polyhedron 50, 75 (2013)

- 589. The effect of serum albumin, surfactant and their mixture on the reduction of a cobalt(III) complex by ascorbic acid, T Majumdar, D Bhowmik, A Kundu, S Dasmandal and A Mahapatra, Colloids Surf. A: Physicochem. Engg. Aspects 436, 185-192 (2013)
- 590. Effect of anionic biocompatible amino acid surfactant and sodium dodecyl sulfate on the rate of alkaline hydrolysis of tris(2,2'-bipyridine)iron(II) complex: A comparative study, A Kundu, S Dasmandal, T Majumdar and A Mahapatra, Colloids Surf. A: Physicochem. Engg. Aspects 419, 216-222 (2013)
- Release pattern of non-exchangeable potassium reserves in alfisols, inceptisols and entisols of West Bengal, India, G. K. Sarkar, A. P. Chattopadhyay and S. K. Sanyal, Geoderma 207-208, 8-14 (2013)
- 592. A simple robust method for synthesis of metallic copper nanoparticles of high antibacterial potency against E. Coli, A. K. Chatterjee, R. K. Sarkar, A. P. Chattopadhyay, P. Aich, R. Chakrabarty and T. Basu, Nanotechnology 23, 085103 (2012)
- 593. Anthracene-labeled 1,2,3-triazole-linked bispyridinium amide for selective sensing of H₂PO₄by fluorescence and gel formation, K. Ghosh, A. R. Sarkar and A. P. Chattopadhyay, Euro. J. Org. Chem. 1311 (2012)
- 594. 66. Synthesis, spectroscopic characterization, insulin-enhancement, and competitive DNA binding activity of a new Zn(II) complex with a vitamin B₆ derivative, T. Mukherjee, J. C. Pessoa, A. Kumar and A. R. Sarkar, Dalton Trans. 41, 5260–5271 (2012)
- 595. 67. A facile stereoselective synthesis of julolidine hybrid analogs via domine knoevenagel intramolecular hetero Diels-Alder reaction, A. Ghosal, A. R. Sarkar, R. S. Kumaran, G. Manickam, and J. Jayashankran, Tetrahedron Lett. 53, 1748-1752 (2012)
- 596. 68. An unusual one-pot synthesis of 3-benzoylcoumarins and coumarin-3-carbaldehydes from 2-hydroxybenzaldehydes under esterification conditions, K. C. Majumdar, S. Samanta, I. Ansary and B. Roy, RSC Advances 2, 2137–2143 (2012)
- 69. An efficient copper(II)-catalyzed direct access to primary amides from aldehydes under neat conditions, N. C. Ganguly, S. Roy and P. Mondal, Tetrahedron Lett. 53, 1413-1416 (2012)
- 598. 70. An efficient greener copper triflate-catalyzed C-3 benzylation of 4-hydroxycoumarin and some active methylene compounds, N. C. Ganguly and S. Chandra, J. Indian Chem. Soc. 89, 547-555 (2012)
- 599. 71. An efficient one-pot organocatalytic synthesis of 9-(1H-indol-3-yl)-xanthen-4-(9H)-ones under mild aqueous micellar conditions, N. C. Ganguly, S. Roy, P. Mondal and R. Saha, Tetrahedron Lett. 53, 7067-7071 (2012)
- 600. 72. Sodium perborate tetrahydrate-mediated transformations of 2'-hydroxychalcones to flavanones, flavones, and 3',5'-didiodoflavone under mild, environmentally friendly conditions, N. C. Ganguly, S. Chandra and S. K. Barik, Synth. Commun. 43, 1351-1361 (2012)

DEPARTMENT OF GEOGRAPHY

- 601. "Medical Tourism in Kerala"- Indian Journal of Landscape Systems & Ecological Studies, Vol.35, No.1, 2012 (ISSN:0971-4170)
- 602. "Alternative Tourism Policy for Incredible India" Academic Spectrum, Vol. 3, No. 4 (ISSN 0976-9323)
- 603. "Disaster forecasting and GIS: A case study at Pelling, West Sikkim"- Journal of Interacademicia, Vol. 16, No. 2 (ISSN 0971-9016)

- 604. Buddihist Tourism in Nepal" Practising Geographer, Vol. 16, No. 2 (ISSN 0975-3850)
- 605. Pilgrimage Tourism: A study in Tirupati Tirumala "- Indian Journal of Landscape Systems & Ecological Studies, Vol.35, No.2, 2012 (ISSN:0971-4170)
- 606. Heritage Tourism in Bishnupur, West Bengal-Westleyan Journal of Research, Vol 5.1 (June 2012) (ISSN:0975-1386)
- 607. "GIS in managing Tourism: A case study in North Sikkim" 29th INCA International Congress at Eastern Zonal Cultural Centre, Kolkata, 25th November-27th November, 2009
- 608. 'Groundnut Productivity in West Bengal', Indian Journal of Landscape Systems and Ecological Studies, (ISSN: 0971-4170), Kolkata, West Bengal, India, Vol.35, No.1, June, 2012, pp.675-678.
- 609. 'Environmental Hazards and Community Responses in Sagar Island, India'- Ocean & Coastal Management, Elsevier(ISSN: 0964-5691), Volume 71, January 2013, pp.73-78.
- 610. 'An Analysis of Cropping Intensity In Agricultural Development of West Bengal, India'- 34th Indian Geography Congress, Organised by the National Association of Geographers, India (NAGI) at Department of Geography Patna University, Patna – 800 005, Bihar, India, November 2-4, 2012
- 611. People's Perception on Natural Disasters and Local Survival Strategies in Sundarban Region: A Study of Gosaba Block in South Twenty Four Parganas District in West Bengal, India"-32nd International Geographical Congress, University of Cologne, Germany, 26-30 August 2012.
- 612. Soil Fertility and Agricultural Land Management: A Study of Rampurhat Sub-Division in Birbhum District" – IGU Conference on Geoinformatics for Biodiversity and Climate Change, Department of Geography, M.D.University, Rohtak, Haryana, India, March 14-16, 2013.
- 613. 'Historical Environment and Present Implications of Riverine Dykes --- A Case Study in Hugli Estuarine Coast of Purba Medinipur District, W.B.' in the 'Transactions' (ISSN 0970-9851), Volume-34, No-1, Pages, 117-125, Dated – Winter, 2012 of the Institute of Indian Geographers (IIG), Pune, India.
- 614. A Study on Salt Manufacturing Environment and Importance of Saltpans toward Economic Growth in the Coastal Areas of Purba Medinipur' in the 'Artha Beekshan' (ISSN 0972-1185), Volume-21, No-3, Pages, 118-130, Dated - December, 2012 of Bangiya Arthaniti Parishad (Bengal Economic Association) [BEA], Kolkata, West Bengal, India.
- 615. ABSTRACT: 'Geo-synthetics: Environment and Development' presented in 33rd Annual Conference of Bangiya Arthaniti Parishad (Bengal Economic Association), organised by UGC and Bengal Economic Association, Kolkata, on 'Environment and Development', venue Department of Commerce, Netaji Nagar Day College, Kolkata, W.B., dated 23-24 February, 2013.
- 616. ABSTRACT: 'Landslide hazard and Provision of Geo-synthetic Mitigation Systems in the Himalayan Region: An Environmental Review' presented in National Seminar organized by Himalaya Samiksha Parishad, Kolkata, on 'Himalaya: Environment and Development' venue, Dept. of Geography, The University of Calcutta, Kolkata-700019, W.B., dated 10 November, 2012.

DEPARTMENT OF MATHEMATICS

617. S. Chakraborty, S. Pal and N. Bairagi: Management and analysis of a predator-prey fishery model. Nonlinear Studies, 19(2), 179-198, (2012), CSP - Cambridge, UK; I&S - Florida, USA. ISSN: 1359-8678

- 619. S. Chakraborty, S. Pal and N. Bairagi: Predator-prey interaction with harvesting-mathematical study with biological ramifications. Applied Mathematical Modelling, 36, 4044-4059, (2012), Elsevier. Impact Factor: 1.371 ISSN: 0307-904x
- 620. Joydeb Bhattacharyya, Hal L. Smith and Samares Pal: Allelopathy of plasmid-bearing and plasmid-free organisms competing for two complementary essential resources in a chemostat. Journal of Biological Dynamics, 6 (2), 628-644, (2012), Taylor and Francis. Impact Factor: 1.856 ISSN 1751-3758
- 621. S. Chakraborty, S. Pal and N. Bairagi: Predator-prey fishery model under deterministic and stochastic environment-a mathematical perspectives. International Journal of Dynamical Systems and Differential Equations, 4(3), 215-241, (2012), Inderscience. ISSN: 1752-3591
- 622. Joydeb Bhattacharyya and Samares Pal: Stage-structured cannibalism with delay in maturation and harvesting of an adult predator. Journal of Biological Physics, 39, 37-65 (2013) Springer. Impact Factor: 1.864 ISSN: 0092-0606
- 623. Joydeb Bhattacharyya and Samares Pal: Sub-Lethal Effects of HAB Toxin on Reef-Fish Population. Contemporary Mathematics and Statistics, 1, 10-28, Columbia International Publishing, U.S.A. (2013). ISSN: 2163-1204
- 624. Nanda Das, Samares Pal, Joydev Chattopadhyay: Spatial effects on viral disease in plankton system. Nonlinear Studies, 20(1), 1-13, (2013), CSP Cambridge, UK; I&S Florida, USA. ISSN: 1359-8678.
- 625. Samares Pal and Anal Chatterjee: Role of constant nutrient input and mortality rate of planktivorous fish in plankton community ecosystem with instantaneous nutrient recycling. Canadian Applied Mathematics Quarterly (CAMQ). (In Press) (2013).
- 626. Nanda Das, Samares Pal, Joydev Chattopadhyay: The role of viral infection on a bacterial ecosystem with nutrient enrichment. Differential Equations and Dynamical Systems (2013) (In Press), DOI: 10.1007/s12591-013-0161-y Springer.
- 627. N.Bairagi, S.Chakraborty and S.Pal: Heteroclinic Bifurcation and Multistability in a Ratiodependent Predator-Prey system with Michaelis-Menten type harvesting rate. Proceedings WCE 12, London, Vol.1, 578-583, (2012)

DEPARTMENT OF MICROBIOLOGY

- 628. Mallick, I, Sk T. Hossain, S. Sinha and S.K. Mukherjee. 2013. Use of indigenous bacteria from arsenic contaminated soil for arsenic bioremediation. In edited Book volume 'MANAGEMENT OF NATURAL RESOURCES IN THE CHANGING ENVIRONMENT', Springer and Capital Publishing (in press, ISBN pending).
- 629. Giri, P., P.D.Ghosh, S.K. Mukherjee. 2013. Effect of leaf extract and volatile oil of Ocimum on the growth of some selected phytopathogens a novel approach for biocontrol of plant disease. J. Mycopahtol. Res. 51: 107-112. (ISSN 0971-3719) IF 0
- 630. Pathak S., K. Debnath, Sk T. Hossain, S.K. Mukherjee and A. Pramanik. 2013. Synthesis of biologically important phthalazinones, 2,3-benzoxazin-1-ones and isoindolinones from ninhydrin and their antimicrobial activity. Tetrahedron Lett. 54: 3137-3143. (ISSN 0040-4039) IF 2.56
- 631. Jana, D. and S.K. Mukherjee. 2013. Therapeutic management of bovine teat papillomatosis. INTAS Polivet 14(2): 418-420. (ISSN 0972-1738). IF 0

- 632. Jana, D. and S.K. Mukherjee. 2013. Therapeutic management of bovine cutaneous papillomatosis with ivermectin in farm bred calf crops of West Bengal. Explor. Anim. Med. Res. 3(2): 123-130. (ISSN 2277-470X) IF 0
- 633. Hossain, Sk T. and S.K. Mukherjee. 2012. CdO nanoparticle toxicity on growth, morphology, and cell division in Escherichia coli. Langmuir. 28(48): 16614–16622. (ISSN 0743-7463) IF 4.2
- 634. Hossain, Sk T., I. Mallick and S.K. Mukherjee. 2012. Cadmium toxicity in Escherichia coli: Cell morphology, Z-ring formation and intracellular oxidative balance. Ecotoxicol. Environ. Saf. 86: 54-59. (ISSN 0147-6513) IF 2.6
- 635. Jana, D. and S.K. Mukherjee. 2012. Studies on effectiveness of ivermectin on therapeutic management of bovine cutaneous papillomatosis. North-East Veterinarian 12(4): 31-32. (ISSN 0973-2004) IF 0
- 636. Chatterjee, S., G.B. Sau, S. Sinha and S.K. Mukherjee. 2012. Effect of co-inoculation of plant growth promoting rhizobacteria on the growth of amaranth plant. Archives Agron. Soil Sci. 58: 1387-1397. (ISSN 0365-0340) IF 0.6
- 637. Jana, D. and S.K. Mukherjee. 2012. Management of bovine cutaneous papillomatosis with ivermectin in farm bred calf crops of West Bengal. Indian J. Field Vet. 8(1): 69-71. (ISSN: 0973-3175) IF 0
- 638. Giri, P., P.D. Ghosh and S.K. Mukherjee. 2012. Morphological and phytochemical analyses of Ocimum kilimandscharicum Guerke. - A potential source of natural camphor. J. Bot. Soc. Beng. 66(2):97-103. (ISSN 0971-2976) IF 0
- 639. Giri, P., P.D. Ghosh and S.K. Mukherjee. 2012. Biosynthetic potential of in vitro grown plants of Ocimum kilimandscharicum Guerke. National Conference on Biodiversity Conservation-Fundamentals and Applications. Dumdum Motijheel College and Bose Institute, Kolkata, ed. H. Saha et al., pp. 107-114.
- 640. Nath, T.K. and Mukherjee SK (2013) "Effect of arsenic-induced toxicity on germination and early seedling growth of Phaseolus mungo Roxb. And Brassica nigra Koch.". National Seminar on Frontiers in Modern Biology, IISER, Kolkata, India.
- 641. Das P, Paul A and Mukherjee SK (2013). "Transportation of Nickel and its intracellular compartmentalization in a Ni resistant bacterial isolate Bacillus thuringiensis KUNi1". Presented at the "Recent Advances and Current Trends in Chemical and Biological Sciences (ISCBC-2013)", held at Mohanlal Sukhadia University, Udaipur.
- 642. Mallick I and Mukherjee SK (2013). "Arsenic bioremediation by indigenous bacteria from arsenic contaminated soil". Presented at the "Recent Advances and Current Trends in Chemical and Biological Sciences (ISCBC-2013)", held at Mohanlal Sukhadia University, Udaipur.
- 643. Hossain ST and Mukherjee SK (2013). "Toxicological study of CdO nanoparticle on Escherichia coli". Presented at the "Recent Advances and Current Trends in Chemical and Biological Sciences (ISCBC-2013)", held at Mohanlal Sukhadia University, Udaipur
- 644. Hossain ST and Mukherjee SK (2014). "Cadmium sulfide nanoparticle toxicity on Escherichia coli and HeLa cells". Presented at the International Conference on 'Molecular Biology and its Application', organized by Department of Life Science & Biotechnology, Jadavpur University, Kolkata.
- 645. Mallick, I and Mukherjee SK (2014). "Arsenic bioremediation potential of a new arsenatereducing bacterium Brevibacillus sp. KUMAs1 isolated from rhizosphere soil". Presented at the International Conference on 'Molecular Biology and its Application', organized by Department of Life Science & Biotechnology, Jadavpur University, Kolkata.

- 646. Mukherjee SK (2012). "Microbes in sustainable development". UGC-sponsored National Seminar on 'Sustainable Development', Berhampore Women's College, Berhampore.
- 647. Chattopadhyay D., Sarkar K. 2013. Use of surface functionalized biocompatible magnetic nanoparticle in removal of heavy metals from effluent water. Conference proceeding of International Conference on Health, Environmental and Industrial Biotechnology Biosangam (in press)
- 648. Dwiptirtha Chattopadhyay, Keka Sarkar 2013. "Effective removal of heavy metals and dyes from drinking water utilizing bio-compatible magnetic nanoparticle" in MANAGEMENT OF NATURAL RESOURCES IN THE CHANGING ENVIRONMENT Springer and Capital publishers Limited. (in press)
- 649. Semanti Basu, Saptarshi Chatterjee, Arghya Bandyopadhyay, Keka Sarkar. 2012. Potential application of superparamagnetic nanoparticles for extraction of bacterial genomic DNA from contaminated food and environmental samples. Journal of Science of Food and Agriculture. 93: 788–793. ISSN: 1097-0010 IF 1.75
- 650. Chattopadhyay, Dwiptirtha and Sarkar, Keka. Potential application of surface functionalized biocompatible magnetic nanoparticles for removal of heavy metals from effluent water. Conference proceedings of 6th Bangalore INDIA NANO; at The Lalit Ashok, Bangalore, India, Dec 4-6, 2013
- 651. Chattopadhyay D, Sarkar K, Use of surface functionalized biocompatible magnetic nanoparticle in removal of heavy metals from effluent water. Conference proceedings of International Conference on Environment, Health and Industrial Biotechnology. Motilal Nehru National Institute of Technology Allahabad, Nov 21-23, 2013, (BioSangam).
- 652. Dwiptirtha Chattopadhyay and Keka Sarkar. Effective removal of heavy metals and dyes from drinking water utilizing bio-compatible magnetic nanoparticle. Conference proceedings of International Humboldt Kolleg on Management of Water, Energy and Bio-resources in Changing Climate Regime: Emerging Issues and Environmental Challenges; JNU, New Delhi; Feb 8-9, 2013.
- 653. Saptarshi Chatterjee, Keka Sarkar. Effect of Iron oxide and Gold nanoparticle on bacterial growth leading towards various biological applications. In World Congress on Nanomedicine, Organised by BIT, Shenzhen, China. Nov 1-3, 2012.
- 654. Dwiptirtha Chattopadhyay, Saptarshi Chatterjee, Semanti Basu, Tanima Paul, Arghya Bandyopadhyay, Keka Sarkar. One pot synthesis of zero valent iron nanoparticles for its potential application in waste water treatment. Conference proceedings of 4th International conference on Advanced Nano Materials. IIT Madras, Oct 17-19, 2012.
- 655. Saptarshi Chatterjee, Semanti Basu, Tanima Paul, Arghya Bandyopadhyay, Dwiptirtha Chattopadhyay, Keka Sarkar. A superparamagnetic nanoparticle based approach towards the purification of biomolecules: Nucleic acid and proteins. Conference proceedings of 4th International conference on Advanced Nano Materials. IIT Madras, Oct 17-19, 2012.
- 656. Semanti Basu, Tanima Paul, Saptarshi Chatterjee, Dwiptirtha Chattopadhyay, Arghya Bandyopadhyay, Keka Sarkar. Rapid detection of coliform bacteria from water samples using magnetic nanoparticles. Conference Proceedings of 53rd Annual Conference of Association of Microbiologists in India 2012, International Conference on Microbial World: Recent Innovations and Future Trends. KIIT University, Bhubaneswar, Odisha, Nov 22-25, 2012.
- 657. Saptarshi Chatterjee, Semanti Basu, Tanima Paul, Arghya Bandyopadhyay, Dwiptirtha Chattopadhyay, Keka Sarkar "A Superparamagnetic Nanoparticle Based Approach towards the Purification of Biomolecules: Nucleic Acids and Proteins" Conference proceedings of 4th International conference on Advanced Nano Materials. IIT Madras, Oct 17-19, 2012.
- 658. Dwiptirtha Chattopadhyay, Saptarshi Chatterjee, Semanti Basu, Tanima Paul, Arghya Bandyopadhyay, Keka Sarkar "One pot synthesis of zero valent iron nanoparticles for its

potential application in waste water treatment" Conference proceedings of 4th International conference on Advanced Nano Materials. IIT Madras, Oct 17-19, 2012.

- 659. Sar, P., Islam, E., 2012. Metagenomics approaches in microbial bioremediation of metals and radionuclides In T. Satyanarayana et al. (eds.), Microorganisms in Environmental Management:Microbes and Environment, DOI 10.1007/978-94-007-2229-3_23, © Springer Science+Business Media B.V. p525–546. ISBN 978-94-007-2229-3
- 660. Choudhary, S., Islam, E., Kazy, S.K., Sar, P., 2012. Uranium and other heavy metal resistance and accumulation in bacteria isolated from uranium mine wastes. J Environ Sci Health A Tox Hazard Subst Environ Eng. 47, 622–637. ISSN 1093-4529 IF 1.25
- 661. Islam, E., Sar, P., 2012. Resistant to uranium and heavy metals and uranium accumulation properties of uranium ore deposit's bacteria: prospect in uranium hydrometallurgy. International conference on microbial world: recent innovations and future trends, 53rd Annual conference of Association of Microbiologist of India (AMI), November 22–25, KIIT University.

DEPARTMENT OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

- 662. Adhikari S, Bandyopadhyay TK, Ghosh PD .2013. Characterization of Cymbopogon spp. and prospects of molecular barcoding through arbitrary primer based PCR assay. Int. J. of Indigenous Medicinal Plants. 29: 1151-1160. ISSN:2051-4263, Impact factor 3.51, published on March 2013.
- 663. Ghosh PD, Chattopadhyay SK, Adhikari S, Saha S, Subhasis S, Kader A, Dey ST, Bandyopadhyay TK, Sengupta C 2013. A high throughput DNA extraction method from chemotypically heterogeneous plant species. Protocol Exchange. (Nature Publishing Group).doi:10.1038/protex.2013.018.(http://dx.doi.org/1.1038/protex.2013.018). Published online 7 February 2013
- Adhikari S, Bandyopadhyay TK, Ghosh PD. 2013. Assessment of genetic diversity of certain Indian elite clones of Cymbopogon species through RAPD analysis. Indian Journal of Biotechnology. 12: 109-114. ISSN: 0975-0967 (Online); 0972-5849 (Print) Impact factor 0.477, Published on January, 2013.
- 665. Adhikari S, Bandyopadhyay TK, Ghosh PD. 2012. Hormonal control of sex expression of cucumber (Cucumis sativus L.) with the identification of sex linked molecular marker. Nucleus. 55: 115-122. ISSN 0029-568X, Published on August 2012
- 666. Paul S., Sengupta S., Bandyopadhyay T. K. & Bhattacharyya A. 2012. Stevioside Induced ROS-Mediated Apoptosis Through Mitochondrial Pathway in Human Breast Cancer Cell Line MCF-7, Nutrition and Cancer, 64:7, 1087-1094. DOI: 10.1080/01635581.2012.712735. 0163-5581 (Print), 1532-7914 (Online), Impact factor 2.695, published on October 2012.

DEPARTMENT OF PHYSICS

- 667. Search for extraterrestrial intelligence through radio astronomical studies by A. B. Bhattacharya, Lap Lambert Academic Publishing, Germany, 2012 (ISBN No. 978-3-659-16510-8).
- 668. Particle physics as building blocks of the universe: Elementary particle physics in relation to its developments and connections with astrophysics and cosmology by A. B. Bhattacharya and B. Raha, Lap Lambert Academic Publishing, Germany, 2013 (ISBN No.978-3-659-35153-2).
- 669. The Ionosphere and its Transient Variations: Recent Advances and Developments by A. B. Bhattacharya and J. Pandit, Lap Lambert Academic Publishing, Germany, 2013 (ISBN No. 978-3-659-44124-0).

100, 2012.

670.

- 671. Some Statistics of Rain Rate & Rain Attenuation for Tropical & Non Tropical Countries by A. B. Bhattacharya, and A. Nag, International Journal of Advances in Science & Technology, 4(2), 101-115, 2012.
- 672. Estimation of the Frequency of Artifacts Likely to Fall Down to Earth and Other Planets by A.B. Bhattacharya, J. Pandit, B. Raha and A. Sarkar, International Journal of Modern Engineering Research, 2 (3), 722-727, 2012.
- 673. Influence of luminous structure on the lower ionosphere as derived from the responses of lightning activity by A. B. Bhattacharya and A. Nag, International Journal of Engineering Science & Technology, 4 (6), 2510-2521, 2012.
- 674. Perturbations at 27 kHz Atmospherics in Relation to Indonesia Earthquake by A.B. Bhattacharya, B. Raha, A. Sarkar and J. Pandit International Journal of Applied Science and Engineering Research, 1,(2), 2011 358-364, 2012.
- 675. Orionid meteor shower and its effect on ionospheric propagation by A. B. Bhattacharya, J. Pandit, A. Bhoumick, D. Halder, A. Sarkar, B. Raha and R. Bhattacharya, International Journal of Theoretical and Applied Physics, 2, (1), 219-229, 2012.
- 676. Satellite and ground based column ozone measurements over three Indian stations by R. Bhattacharya, A. Bhoumick and A. B. Bhattacharya, International Journal of Engineering Science and Technology, 4, 1161-1167, 2012.
- 677. Detection of Jovian radio bursts at high altitudes by A. B. Bhattacharya, S. Mondal, J. Pandit, D. Halder, A. Sarkar and B. Raha, International Journal of Engineering Science and Technology, 4, 3029-3038, 2012.
- Variation of North-South Asymmetry of Solar Flare Index and Associated Solar Activity by A. B. Bhattacharya, M. Debnath and T. Das, International Journal of Engineering Science and Technology, 4, 3268-3276, 2012.
- 679. Transit of Venus across the sun at Kalyani sky and some notable changes in the atmospherics record by A. B. Bhattacharya, J. Pandit, B. Raha and A. Sarkar, International J. of Engg. Research & Industrial Applications, 5, 225-234, 2012.
- 680. Habitability and biogenic effects on planetary atmospheres by A. B. Bhattacharya and B. Raha, International Journal of Applied Science and Engineering Research, 1, 532-542, 2012.
- 681. Studying transient features through the Solar Corona by 406.7 MHz radio telescope by A. B. Bhattacharya, D. Halder, A. Sarkar, J. Pandit and B. Raha, International Journal of Multidisciplinary Research and Advances in Engineering, 4, 225-234, 2012.
- 682. On the Identification of the Building Blocks of the Universe through Particle Astrophysics by A. B. Bhattacharya and B. Raha, International Journal of Physics, 5, 141-150, 2012.
- 683. Detection of radio sources for astronomical studies by A. B. Bhattacharya and B. Raha, International Journal of Advance in Communication Engineering, 4, 83-88, 2012
- 684. Possibility of being more than one Higgs boson and to a new understanding of dark matter by A. B. Bhattacharya and B. Raha, Oriental Journal of Physics, 4, 83-93, 2012.
- 685. The ideas of 'dark matter' and 'dark energy' as a breakthrough for the unseen universe by A. B. Bhattacharya and B. Raha, New Advances in Physics, 6, 87-98, 2012.
- 686. Losing the Quantum State of Microtubules to Soul: Possibilities and Challenges by A. B. Bhattacharya, B. Raha and A. Bhattacharya, International Journal of Pharmaceutical Research and Bioscience, 1, 315-328, 2012.

2015

- Solar variability and some interrelation with terrestrial climate by A. B. Bhattacharya, A. Nag and K. Roy, International Journal of Engineering Research and Industrial Applications, 5, 83-96, 2012.
- 689. VHF-Electromagnetic Signal Perturbations Related to Sikkim Earthquake of 18 September, 2011 by A. B. Bhattacharya, A. Sarkar, A. Bhoumick, J. Pandit, B. Raha and D. Halder, International Journal of Theoretical and Applied Physics, 2, 65-72, 2012.
- 690. Observation of Galactic Radio Signal using Interstellar Hydrogen Line at 1420 MHz by A.B. Bhattacharya, A. Sarkar, B. Raha, J. Pandit and D. Halder, International Journal of Engineering Research and Industrial Application, 5, 1-10, 2012.
- 691. Influences of cosmic radiation on solar terrestrial atmosphere by A. B. Bhattacharya, A. Nag and K. Roy, International Journal of Theoretical and Applied Physics, 2, 181-188, 2012.
- 692. A comparative study on the modeling of dynamics of the Jovian atmosphere by A. B. Bhattacharya, S. Mondal and D. Halder, International Journal of Advances in Science and Technology, 5, 16-26, 2012.Inflation of the Observed Universe as a Function of Time by A. B. Bhattacharya and B. Raha, International Journal of Application or Innovation in Engineering & Management, 2, 22-28, 2013, (ISSN: 2319 4847), (Impact Factor: 2.379).
- 693. The Search for Earth-Like Habitable Planet: Antarctica lake Vostok May be Jupiter's Europa by A. B. Bhattacharya and B. Raha, Science and Culture, 79, 59-61, 2013, (ISSN: 0036-8156).
- 694. Human Brain as Quantum Computer: Existence of a more Fundamental Level in the Physical Universe by A. B. Bhattacharya and B. Raha, International J. Electronics & Communication Technology, 4, 120-122, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 695. The Fabric of the Cosmos: the Probable Hidden Soul of Harmony towards a Unified Theory by A. B. Bhattacharya, B. Raha, and A. Bhattacharya, International Journal of Bioinformatics, 6, 35-45, 2013, (ISSN: 0974-6439).
- 696. Implications of the holographic principle and string dualities for the building blocks of nature by A. B. Bhattacharya and B. Raha, New Advances in Physics, 7, 97-108, 2013, (ISSN: 0974-3553).
- 697. Is the Stormy Weather of Jupiter is Comparable to Earth? By A. B. Bhattacharya, B. Raha and M. Debnath, International Journal of Application or Innovation in Engineering & Management, 2, 162-171, 2013, (ISSN: 2319 4847), (Impact Factor: 2.379).
- 698. Spectral behavior of Jupiter and the influence of sun on its radio emission by A. B. Bhattacharya and B. Raha, International Journal of Electrical Engineering and Embedded Systems, 5, 107-114, 2013, (ISSN: 0975-4830).
- 699. Plasma interactions as revealed by Jovian radio emission by A. B. Bhattacharya and B. Raha,International Journal of Physics, 6, 60-67, 2013, (ISSN: 0975-7155).
- 700. Absorption of High Energy Particles and Plasma Tori in the Vicinity of Jovian Moons' Orbits by A. B. Bhattacharya and B. Raha, Journal of Information Technology and Engineering (An International Journals), 4, 26-35, 2013, (ISSN: 2229-7421).
- 701. Spacecrafts as viewing instrument of Jupiter's aurora by A. B. Bhattacharya and B. Raha, International Journal of Physics, 6, 85-93, 2013, (ISSN: 0975-7155).
- 702. Behavioral changes of Jupiter's little and great red spot: a Survey by A. B. Bhattacharya, M. Debnath and B. Raha, International Journal of Application or Innovation in Engineering & Management, 2, 12-23, 2013, (ISSN: 2319 4847), (Impact Factor: 2.379).
- 703. A Road Map of Particle Physics up to the Threshold of a New Era by A. B. Bhattacharya and B. Raha, International Journal of Physics, 6, 1-8, 2013, (ISSN: 0975-7155).

- Detection of radio emissions from Jupiter by A. B. Bhattacharya and B. Raha, Oriental Journal of Physics, 5, 1-12, 2013, (ISSN: 0973-5852).
- 705. Exploration of Jupiter through observations by automated spacecraft by A. B. Bhattacharya and B. Raha, Oriental Journal of Physics, 5, 20-29, 2013, (ISSN: 0973-5852).
- 706. Modulation of internal processes of Jovian magnetosphere by the solar wind by A. B. Bhattacharya and B. Raha, Oriental Journal of Physics, 5, 52-62, 2013, (ISSN: 0973-5852).
- 707. Structure formation of the early Universe to expanding universe by A. B. Bhattacharya and B. Raha, Oriental Journal of Physics, 5, 71-80, 2013, (ISSN: 0973-5852).
- 708. The Role of Neutrino Astronomy in the Formation of the Early Universe by A. B. Bhattacharya and B. Raha, International Journal of Physics, 6, 38-47, 2013, (ISSN: 0975-7155).
- 709. On some aspects of powerful decametric radio emission during 2011-2012 by A. B. Bhattacharya and D. Halder, International J. Electronics & Communication Technology, 4, 113-114, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 710. Response of Earthquakes on Radio Signals having Distant Epicentres at Multi-frequency Bands by A. B. Bhattacharya, A. Sarkar and J. Pandit, International J. Electronics & Communication Technology, 4, 118-119, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 711. Solar Wind Plasma Parameters and its Modulation in the Rising Phase of the Sunspot Cycle 24 by A. B. Bhattacharya, M. Debnath and T. Das, International J. Electronics & Communication Technology, 4, 111-112, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 712. Dependence of Cloudiness and Temperature on Cosmic Radiation by A. B. Bhattacharya, D. K. Tripathi, K. Roy and A. Nag, International J. Electronics & Communication Technology, 4, 108-110, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 713. Total Solar Irradiance Trend and Tropospheric dynamical Coupling by A. B. Bhattacharya, A. Nag, K. Roy and D. K. Tripathi, International J. Electronics & Communication Technology, 4, 123-124, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 714. Probability of reception of Jovian bursts as derived from Io-phase and the location of Central Meridian Longitude by A. B. Bhattacharya and S. Mondal, International J. Electronics & Communication Technology, 4, 115-117, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 715. Particle physics as a building block of the Universe by A. B. Bhattacharya, International J. Electronics & Communication Technology, 4, 37, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 716. Some characteristics of solar wind and plasma behavior of the Sun with the geomagnetic activity by A. B. Bhattacharya, T. Das and M. Debnath, International J. Electronics & Communication Technology, 4, 106-107, 2013, (ISSN: 2230-7109), (Impact Factor: 0.306).
- 717. Influence of geomagnetic activity on planetary and terrestrial atmospheres in relation to last three solar cycles by A. B. Bhattacharya, A. Nag, K. Roy and Shalini Sarkar, International Journal of Electrical Engineering and Embedded Systems, 5, 76-84, 2013, (ISSN: 0975-4830).
- An Attempt to Delineate Radio Signals Associated with February 15, 2013 Asteroid by A. B. Bhattacharya, J. Pandit and A. Sarkar, International Journal of Physics, 6, 17-23, 2013, (ISSN: 0975-7155).
- 719. Tropospheric-ionospheric coupling by electrical process of the atmosphere by A. B. Bhattacharya and T. Das, International Journal of Application or Innovation in Engineering & Management, 2, 324-336, 2013, (ISSN: 2319 4847), (Impact Factor: 2.379).
- 720. Automated PC-Based Control and Monitoring of Radio Observations Using LPDA by A. B. Bhattacharya, K. Roy, J. Pandit and A. Nag, Elsevier (Procedia Technology), 10, 348 – 355, 2013, (ISSN: 2212-0173).

- 721. Variation of North-South Asymmetry of Sunspot Number associated Solar Flare Index by A. B. Bhattacharya, B. Raha, T. Das and M. Debnath, Proceedings of IETE National Conference on Materials, Devices and Circuits in Communication Technology (MDCCT), IETE Burdwan Sub-Center, pp. February 06-07, 2012 (ISBN:- 978-93-80663-36-4).
- 722. On Some Aspects of Plasma Frequency and Electrodynamics of the Earth's Ionosphere by A. B. Bhattacharya, S. Saha, S. Das, and A. Nag, "Proceedings of National on Materials, Devices and Circuits in Communication Technology (MDCCT 2012), Feb 06-07, (2012) (ISBN:- 978-93-80663-36-4).
- 723. Statistical Studies of Solar Cycle and its Periodicities by A. B. Bhattacharya, T. Das and M. Debnath Proceedings of National Conference On Materials, Devices and Circuits in Communication Technology (MDCCT 2012), IETE Burdwan Sub-Center and Dept. of Physics , University Of Burdwan , p-50-52, 2012 (ISBN:- 978-93-80663-36-4).
- 724. A Re-look on the Solar Activity and Prediction of Global Temperature A.B. Bhattacharya, M. Debnath, A. Bhoumick and T. Das Proceedings of National Conference On Materials, Devices and Circuits in Communication Technology (MDCCT 2012), IETE Burdwan Sub-Center and Dept. of Physics, University Of Burdwan, pp. 47-49, 2012 (ISBN:- 978-93-80663-36-4).
- 725. A Study of Fixed Frequency, Sweep Frequency and Flare Related Radio Bursts by A. B. Bhattacharya, S. Sarkar, M. Debnath, K. Roy, S. Chakraborty and S. Kundu, National Conference on Control, Communication & Device Electronics (N3CD-2013), JIS College of Engineering, pp. 66-72, July 24-25, 2013.
- 726. Diurnal Phase Shift of Integrated Field Intensity of Atmospherics at 40 kHz by A. B. Bhattacharya and J. Pandit, National Conference on Control, Communication & Device Electronics (N3CD-2013), JIS College of Engineering, pp. 73-78, July 24-25, 2013.
- 727. Correlation between Sun Spot and Solar Bursts: Establishing importance of a Fixed Tuned Receiver in Solar Observation with a Case Study by A. B. Bhattacharya, S. Mondal and S. Sarkar, National Conference on Control, Communication & Device Electronics (N3CD-2013), JIS College of Engineering, pp. 79-85, July 24-25, 2013.
- 728. Observations of a Variable Radio Source Associated with the Jupiter and its Galilean Satellites by A.B. Bhattacharya, B. Raha and M. Debnath, National Conference on Control, Communication & Device Electronics (N3CD-2013), JIS College of Engineering, pp. 86-92, July 24-25, 2013.
- 729. Solar Radio Emissions and Associated Geomagnetic Parameters by A. B. Bhattacharya, S. Sarkar, M. Debnath, K. Roy, R. Pandey and P. Singha, National Conference on Control, Communication & Device Electronics (N3CD-2013), JIS College of Engineering, pp. 93-98, July 24-25, 2013.
- 730. A Probable interrelation of 1.420 GHz interstellar signal, VHF Solar radio burst and VLF Atmospherics with Cosmic Ray Events by A. B. Bhattacharya and A. Sarkar, National Conference on Control, Communication & Device Electronics (N3CD-2013), JIS College of Engineering, pp. 110-114, July 24-25, 2013.
- 731. A Search for Type III Radio Burst Emission and Sunspot Cycles by A. B. Bhattacharya, B. Raha, A. Maity, S. K. Ghosh and D. Halder, Proceedings of International Conference on Engineering Education in the New Century (E2NC-2012), Sir J. C. Bose School of Engineering, pp. 128-129, February 03-04, 2012 (ISBN:- 978-93-80663-35-7).
- 732. Stellar Properties of Chemical Evolution Related to Star Formation by A. B. Bhattacharya, A. Nag, and D. K. Tripathi, Proceedings of the International Conference on Engineering Education in the New Century (E2NC-2012)", Feb 03-04, (2012) (ISBN:- 978-93-80663-35-7).
- 733. Design Considerations of Solar Radio Telescopes and Construction of arrays by A. B. Bhattacharya, A. Nag, B. Raha, K. Roy and S. Mondal. Tata McGraw Hill Education Private

Limited (ISBN:- 978-1-25-906393-0)., 231-234, 2013 [Also presented at International Conference on Computation and Communication Advancement-2013 (IC3A-2013), JIS College of Engineering, January 11-12, 2013].

- 734. Implementation of VLF Radio Telescope and Doppler Weather Radar for Identifying the Precursory Effect in Atmospherics level during SW Monsoon by A. B. Bhattacharya, J. Pandit, A. Sarkar and D. Halder. Tata McGraw Hill Education Private Limited (ISBN:- 978-1-25-906393-0), 235-238, 2013 [Also presented at International Conference on Computation and Communication Advancement-2013 (IC3A-2013), JIS College of Engineering, January 11-12, 2013].
- 735. Automated PC-Based Control and Monitoring of Radio Observations Using LPDA Events by A. B. Bhattacharya, K. Roy, J. Pandit and A. Nag, The First International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), University of Kalyani, pp. 66, September 27-28, 2013, (ISBN No. 978-93-5126-672-3).
- 736. Bhoumick, Investigations on Solar Ultraviolet radiation and Stratospheric Ozone Depletion over Some Indian Stations, (2013).
- 737. A. Nag, The role of lightning in terrestrial and other planetary atmospheres and associated dynamics of the chemical evolution, (2013).

DEPARTMENT OF PHYSIOLOGY

- 738. Sahu S, Chatterjee A (2013). Evaluation of Working Posture and Work-Related Musculoskeletal Symtoms among Carpenters of West Bengal, India. Ergonomics for Enhanced Productivity held in Tamilnadu Agricultural University (Edited by: Dr. P. Parimalam, Dr. M.R. Premalatha, & Dr. P. Bhanumati), Excel India Publishers, New Delhi, p 27-35.(ISBN-978-93-82880-43-1)
- 739. Maity SG, Sahu S (2013). Effect of Age on Cardiac Cost among the Manual Brick Moulders of Different Unorganized Brick making Sector of West Bengal. Ergonomics for Enhanced Productivity held in Tamilnadu Agricultural University (Edited by: Dr. P. Parimalam, Dr. M.R. Premalatha, & Dr. P. Bhanumati), Excel India Publishers, New Delhi, p 42-48.(ISBN-978-93-82880-43-1)
- 740. Tonetti L, Sahu S, Natale V (2012): Cross-national survey of winter and summer patterns on mood seasonality: A comparison between Italy and India. Comprehensive Psychiatry (ISSN 0010-440Y, Impact factor 2.377). 53, 837 -842.
- 741. Sahu S, Sett M, Durlov S (2012): An Ergonomic study on the musculoskeletal disorders among the male handloom weavers of West Bengal, India. Indian Journal of Physiology and Allied Sciences, 66(1), 16 -27 (Reviewed ISSN 0367-8350)
- 742. Tonetti L, Sahu S, Natale V (2012): Circadian preference in Italy and India: A comparative study in young adults. Personality and Individual Difference (ISSN 0191-8869, Impact Factor 1.820). 53, 355 -358.
- 743. Sahu S, Goswami S, Haldar P, Sett M (2012): An ergonomic evaluation of tasks of healthcare unit personnel in different shifts in general hospitals in West Bengal. International Journal of Occupational Safety and Health (ISSN 2091-0878).2(2), 14 -22.
- 744. Saha, A, Sahu, S and Paul, G (2012): An Ergonomic Questionnaire study on job stress of police officers. The Indian Police Journal, LIX(3), 70 -81. (Reviewed, ISSN: 0537-2429).
- 745. Sahu S, Roy B, and Moitra S (2013) Assessment of the lung function status of the goldsmiths working in unorganised sector of India. Lung India, 30 (1), 33-37 (Reviewed, ISSN 0970-2113).

- 747. Moitra S, Paul DB, and Sahu S (2013) : Adverse respiratory effects associated with cadmium exposure in small-scale jewellery workshops in India, Thorax, Online first DOI 10.1136/thoraxjnl-2012-203029 (Reviewed, ISSN 0040-6376/1468-3296 Impact Factor 6.840).
- 748. Goswami S, Haldar P and Sahu S. (2013). An ergonomic study of postural stress of nurses working in orthopedic wards. International Journal of Occupational Safety and Health, 3(1): 26-31. (ISSN: 2091-0878)
- 749. Sahu S, Maity SG, Sett M (2013). Erginomic Study of Work-Related Postural Discomfort of Brick Moulders of Different Informal Manual Brick Making Sector of West Bengal, India. Proceedings of the 100th Session of the Indian Science Congress held on University of Calcutta, 3-7 January 2013, Kolkata, P 161.
- 750. Haldar P, Sett M, Sahu S (2013). Effect of Environmental Temperature Variation on the Cardiac Cost of Male Crop Harvesters-An Ergonomic Study. Proceedings of the 100th Session of the Indian Science Congress held on University of Calcutta, 3-7 January 2013, Kolkata, P 179.
- 751. Sahu S, Chatterjee A (2013): Evaluation of working posture and work –related musculoskeletal symptoms among carpenters of West Bengal, India. Proceedings of the National Seminar on "Ergonomics for Enhanced Productivity", organized by Department of Family Resource Management Home Science College and Research Institute, Tamil Nadu Agricultural University, Madurai, India on Feb 18-19, 2013, P 26.
- 752. Maity SG, Sahu S (2013): Effect of age on cardiac cost among the manual brick moulders of different unorganized brick making sectors of West Bengal. Proceedings of the National Seminar on "Ergonomics for Enhanced Productivity", organized by Department of Family Resource Management Home Science College and Research Institute, Tamil Nadu Agricultural University, Madurai, India on Feb 18-19, 2013, P 29.
- 753. Haldar P, Chatterjee A, Durlov S, Sahu S (2013). Effect of Environmental Temperature on Cardiac Strain in Harvesters in West Bengal: Implication for a Climate Change. Proceedings of National Conference on Challenges in Biodiversity and Resource Management held on University of Kalyani, February 26-27, P 61-62.
- 754. Moitra S, Sahu S (2012): Exposure to workplace acid mists alters the lung functions of the goldsmiths working in unorganized sectors of India. Proceedings of the 7th International Conference on the Science of Exposure Assessment, to be held in the Royal College of Physicians, Edinburgh, United Kingdom on July 2-5, 2012.
- 755. Thesis guided: Name Smt Moumita SettTitle: "Ergonomic studies on female workers working in brick making industries in unorganised sectors in West Bengal' University of Kalyani), 2012
- 756. Thesis guided: Shri Atanu Saha Title: "Ergonomic Studies on Police Personnel Working in Rotating Shift in West Bengal, India". (University of Kalyani) 2013.
- 757. Kaushik Sarkar, Panchali Tarafder, Partha P. Nath, Goutam Paul. Bisphenol A Inhibits Duodenal Movement in Rat by Increasing Acetylcholinesterase Activity and Decreasing Availability of Free Ca2+ in Smooth Muscle Cells. Int. J. Pharm. Bio. Sci. 4(2): (B) 679-688, 2013. ISSN-0975-6299.IF-0.67.\
- 758. Panchali Tarafder, Kaushik Sarkar, Partha P. Nath, Goutam Paul. Inhibition of heart ventricular function of rat by Bisphenol A through oxidative stress induced injury of ventricular tissue. Int. J. Pharm. Bio. Sci. 4(2): (B) 811-820, 2013. ISSN-0975-6299.IF-0.67.

- 759. Partha Pratim Nath, Panchali Tarafder, Kaushik Sarkar, Goutam Paul. Development of a visible spectrophotometric method for the Quantitative determination of metanil yellow in different food samples. Int. J. Pharm. Bio. Sci. 4(2): (P) 685-692, 2013. ISSN-0975-6299.IF-0.67.
- 760. Amit Ghati, Kaushik Sarkar, Goutam Paul (2013). Isolation, Characterization and Molecular Identification of Esterolytic Thermophilic Bacteria from an Indian Hot Spring. Curr Res Microbiol Biotechnol. 1(4).196-202. ISSN-2320-2246.IF-Still computing.
- 761. Amit Ghati, Kaushik Sarkar, Goutam Paul (2013). Production and characterization of an alkalothermostable, organic solvent tolerant and surfactant tolerant esterase produced by a thermophilic bacterium geobacillus sp. Agp-04, isolated from bakreshwar hot spring, India. Journal of Microbiology, Biothechnology and Food Sciences. 3(2). 156-162.ISSN-1338-5178. IF-0.3886.
- 762. Mouri Ghosh, Goutam Paul. Intestinal dysfunction and alteration of various systemic and morphometric characters in albino rats (Charles Foster) under stress of inorganic arsenic (ias) compounds: A pilot study. Int. J. Pharm. Bio. Sci. 4(2): (B) 1008-1016, 2013. ISSN-0975-6299.IF-0.67.
- 763. Diptendu Sarkar, Goutam Paul. A bio-technological approach on removal of LEAD ions from aqueous system by dry cells of Pseudomonas aeruginosa DSGPM4 species International Journal of Biotechnology and Bioengineering Research. 4 (1); 11-19:2013. ISSN-2231-1238. IF-Still computing.
- 764. Diptendu Sarkar, Goutam Paul. Molecular characterization of metal and antibiotic resistance activities in a bacterial population isolated from wastewater sample. International Journal of Biotechnology and Bioengineering Research. 4(1); 21-30:2013. ISSN-2231-1238. IF-Still computing.
- 765. Diptendu Sarkar, Goutam Paul. Optimization of Protease Enzyme Production From Heavy Metal and Antibiotic Resistant Bacillus Species Isolated from Waste Water Sample. International Journal of Biotechnology and Biochemistry. 9(1); 49-59:2013. ISSN-0973-2691 (Print). ISSN-0974-4762 (Online). IF-Still computing.
- 766. Diptendu Sarkar, Goutam Paul. Optimization of Bacterial Extra-Cellular Polymeric Substance Production and Application of this Exopolymer in Toxic Metals Biosorption from Aqueous System. International Journal of Biotechnology and Biochemistry. 9(1); 13-21:2013. ISSN-0973-2691 (Print). ISSN-0974-4762 (Online). IF-Still computing.
- Atanu Saha, Subhashis Sahu, Goutam Paul. An ergonomic questionnaire study on the job stresses of Police Officers. The Indian Police Journal. Vol. LIX, No. 3; 70-81. 2013. ISSN-0537-2429.
- 768. Kamalesh Das, Kaushik Sarkar, Panchali Tarafder, Partha P. Nath and Goutam Paul (2014). Chlorpyrifos suppresses female reproductive function in rat. Int J Pharm Bio Sci. 5(1): (B) 810-818. ISSN-0975-6299.IF-0.67.
- 769. GenBank submission A. Ghati, G. Paul (2012). Geobacillus sp. AGP-04 16S ribosomal RNA gene, partial sequence. GenBank: JX513957. National Centre for Biotechnology Information (NCBI), U.S. National Library of Medicine, 8600 Rockville Pike, Bethesda MD, 20894 USA.
- 770. Goutam Paul, Mouri Ghosh, Amit Ghati, Suban Baskey, Kaushik Sarkar. Sodium arsenite induces duodenal motility dysfunction of rat by influencing acetylcholine and nitric oxide mediated neurotransmission. Oral presentation. 100th Indian Science Congress held on 3-7 January, 2013 at Calcutta University, Kolkata, India. Goutam Paul. Effect of sodium arsenate on different neurotransmitters and related enzymes in mammalian intestine: A combination study. Plenary Lecture. The XXIV Annual Conference of Physiological Society of India-"Physicon-2012", organized by Andhra Medical College, Visakhapatnam, AP, 12-14 Dec, 2012.

- 771. Kaushik Sarkar, Panchali Tarafder, Mouri Ghosh, Goutam Paul. Bisphenol A Inhibits Duodenal Motility in Rat by Increasing Acetylcholinesterase Activity and Decreasing Availability of Free Ca2+ in Smooth Muscle. The XXIV Annual Conference of Physiological Society of India-"Physicon-2012", organized by Andhra Medical College, Visakhapatnam, AP, 12-14 Dec, 2012.
- 772. Panchali Tarafder, Kaushik Sarkar, Mouri Ghosh, Goutam Paul. Bisphenol A inhibits heart ventricular function in rat by producing oxidative stress and altering calcium homeostasis in ventricular myocytes. The XXIV Annual Conference of Physiological Society of India-"Physicon-2012", organized by Andhra Medical College, Visakhapatnam, AP, 12-14 Dec, 2012.
- 773. Mouri Ghosh, Goutam Paul. Anti-mortem and post-mortem induced stress of sodium arsenite and arsenate on small intestinal competence and efficiency: A comparative study. The XXIV Annual Conference of Physiological Society of India-"Physicon-2012", organized by Andhra Medical College, Visakhapatnam, AP, 12-14 Dec, 2012.
- 774. Goutam Paul, Mouri Ghosh, Kaushik Sarkar, Panchali Tarafder. Modulation of cholinergic and nitric oxide signaling pathways at the local efferent regulation of small intestine of rat by acute exposure of inorganic pentavalent arsenical. International Union of Physiological Sciences (IUPS) Congress 2013 held at ICC, Birmingham UK.
- 775. Kaushik Sarkar, Panchali Tarafder, Mouri Ghosh, Amit Ghati, Goutam Paul. Inhibition of duodenal movement in vitro of rat by Bisphenol A through nitric oxide mediated guanylyl cyclase and α-adrenergic pathways. International Union of Physiological Sciences (IUPS) Congress 2013, held at ICC, Birmingham UK.
- 776. Panchali Tarafder, Kaushik Sarkar, Goutam Paul. Inhibition of the ventricular function of rat by Bisphenol A. International Union of Physiological Sciences (IUPS) Congress 2013, held at ICC, Birmingham UK.
- 777. Mouri Ghosh, Goutam Paul. An explanation of motility dysfunction of gut due to arsenicosis via neurotransmitter pathway regulation and oxidative stress. International Union of Physiological Sciences (IUPS) Congress 2013, held at ICC, Birmingham UK.
- 778. Goutam Paul. Climate change and human environment: Mitigation of climate change risks with sustainable development. Invited Lecture. State level seminar on "Advancement of biological science towards sustainable development". Sponsored by UGC, Organized by Department of Zoology, Berhampore Girls'College in collaboration with West Bengal Bio-Diversity Board, Kolkata. Venue-Berhampore Girls'College, Murshidabad, 2012.
- 779. Kaushik Sarkar, Panchali Tarafder, Mouri Ghosh, Amit Ghati, Goutam Paul. Bisphenol A depresses the isolated duodenal rhythmic contractions of rat by inducing the calcium salts deposition at the duodenal smooth muscle layer. State level seminar on "Advancement of biological science towards sustainable development". Sponsored by UGC, Organized by Department of Zoology, Berhampore Girls'College in collaboration with West Bengal Bio-Diversity Board, Kolkata. Venue-Berhampore Girls'College, Murshidabad, 2012.
- 780. Panchali Tarafder, Kaushik Sarkar, Mouri Ghosh, Amit Ghati, Goutam Paul. Bisphenol A exerts toxic effect on heart by increasing transminase activity and damaging cellular architecture of ventricular myocytes. State level seminar on "Advancement of biological science towards sustainable development". Sponsored by UGC, Organized by Department of Zoology, Berhampore Girls'College in collaboration with West Bengal Bio-Diversity Board, Kolkata. Venue-Berhampore Girls'College, Murshidabad, 2012.
- 781. Mouri Ghosh, Amit Ghati, Panchali Tarafder, Kaushik Sarkar, Goutam Paul. Inorganic arsenic species (iAs) facilitates intestinal movement in vitro of rat through muscarinic and non-adrenergic-non-cholinergic pathway. State level seminar on "Advancement of biological science towards sustainable development". Sponsored by UGC, Organized by Department of

Zoology, Berhampore Girls'College in collaboration with West Bengal Bio-Diversity Board, Kolkata. Venue-Berhampore Girls'College, Murshidabad, 2012.

782. Saha B, Adhikary A, Ray P, Saha S, Chakraborty S, Mohanty S, Das K, Mukherjee S, Mazumdar M, Lahiry L, Hossain S, Sa G and Das T. Restoration of tumor suppressor p53 by differentially regulating pro- and anti-p53 networks in HPV-18-infected cervical cancer cells. Oncogene 2012; 31(2): 173-86. Publisher : nature publishing group [Impact factor: 7.414]/ ISSN: 0950-9232

DEPARTMENT OF STATISTICS

- 783. Optimum Designs for estimation of regression parameters in multi factor setup (with G.Dutta): Communications in Statistics- theory and Methods vol 42, 4431-4443 (impact factor .24)
- 784. Designs robust against the presence of an aberration in a diallel cross design set up (with A.Biwas, N.K.Mandal); Communications in Statistics, theory and methods Impact factor .24
- 785. Optimum mixture designs in a restricted region Statistical Papers (DOI, 10.1007/s00362-013-0568-0) (with M.Pal, N.K.Mandal and B.K.Sinha
- 786. Optimum designs for estimation of regression parameters in a balanced treatment incomplete block design set up (with G.Dutta): Journal of Statistical Planning and Inference vol 143, 1203-1214. Impact factor .559
- 787. designs robust against violation of normality assumption in the standard F-test (accepted in 2013 for publication in Communications in Statistics- theory and methods) Impact factor .24
- 788. A review on Optimum Covariate Designs
- 789. statistics, anno LXXII No 1, pp 81-92
- 790. Comm. In Stat. Theo & Methods, vol 42, pp 2786-97
- 791. A study on some discretization approaches for discretizing some continuous life distributions with applications
- 792. Journal of Statistical Computation and Simulation Impact factor .629, ISSN 0094-9655

INIVERS

DEPARTMENT OF ZOOLOGY

- 793. Madhavan R, Bandyopadhyay P.K, and Santosh B. (2012) Observations On Two New Species Of Myxobolus Butschli, 1882 From Minor Carps Of Tripura, India Journal of Parasitic Diseases (Springer) 37(1): 56–61 .10.1007/s12639-012-0131-2 ISSN: 0975-0703
- 794. Mitra A.K., Bandyopadhyay P.K., Gong Y., Goswami M. and Bhowmik B. (2012). Description of two new species of ectoparasitic Trichodina Ehrenberg, 1830 (Ciliophora: Trichodinidae) from freshwater fishes in river Ganges, India. Journal of Parasitic Diseases (Springer). (DOI 10.1007/s12639-012-0126-z) ISSN: 0975-0703
- 795. Sarkar S., Bandyopadhyay, P.K. and Göçmen B. (2012). Description of Rhynchocystis silvae sp. nov (Apicomplexa: Eugregarinida) from Metaphire peguana Rosa(1890) of Dhaka, Bangladesh. Turkiye Parazitol Derg.36:178-181.IF:0.7
- 796. Molla S.H. ,Bandyopadhyay P.K. and Gozde Gurelli (2012) On the occurrence of a Haemogregarine parasite from two fresh water endangered turtles of South 24 Parganas, West Bengal, India. Turkiye Parazitol Derg DOI: 10.5152/tpd.2014.3329 IF:0.7
- 797. Mitra A, Bandyopadhyay PK and Gong Y (2012) Studies on Trichodinid and Chilodonellid Ciliophorans (Protozoa:Ciliophora) in the Indian freshwater and estuarine fishes with

description of Trichodinella sunderbanensis sp.nov.and Trichodina nandusi sp.nov. Parasitology Research (Springer) DOI 10.1007/S00436-012-3234-X.IF:2.8

- 798. Bhattacharya.R, Bandyopadhyay.P.K, Banik.R, Biswas.G and Barman.P (2013) A Journey through malarial researches. International Journal of Environmental Biology. (In Press).IF:0.7
- 799. Majumder S, Panda S, Ghosh S and Bandyopadhyay.P.K(2013) Description of a new species of Myxobolus Butschli, 1882 from the Cirrhinus mrigala Hamilton, 1822 an edible fish of India J Parasit DisDOI 10.1007/s12639-013-0369-3 ISSN: 0975-0703
- 800. Tanima Biswas and P.K. Bandyopadhyay(2013) Prevalence of a protozoan parasite Cristigera sp. (Ciliophora:Ciliatea) from edible oysters (Mollusca: Bivalvia) of Sundarbans, West Bengal, India India. J Parasit DisDOI 10.1007/s12639-012-0230-0 ISSN: 0975-0703
- 801. Sutapa Sarkar and P.K.Bandyopadhyay(2013) An annotated list of protozoan parasites belonging to the genus Monocystis Von Stein,1848(Apicomplexa:Monocystidae) described from Oligochaete hosts. Proc.Zool.Surv. In DOI 10.1007/s12639-013-02954
- 802. Ghosh.S and Bandyopadhyay.P.K (2013) Identification of Culex vishnui (Diptera: Culicidae) the potent vector of Japanese Encephalitis, with special reference to its green control".
- 803. A review on different types of aquatic pollution takes place in India and their solution J-Environ.LifeSci (2012)17-23 ISBN-81-85543-11-9
- 804. Studies on pollutional load and its effects on the diversity of fish food and fish-food organisms in Churni river, West Bengal- A survey, J- Environ.LifeSci (2012), ISBN-81-85543-11-9....
- Transformation efficiency on E. coli in response to different bivalent salts.,,J- Journal of Research in Biology (2012) 2(8): 704-710 ISBN no..2231-6280
- 806. Studies on some limnological parameters of a floodplain wetland of West bengalvis-a-vis avifaunal diversity ..J-(BIOSPECTRA: VOL.8(1), March,2013, 0973-7057
- 807. Fresh water fish diversity of Nabaganga River at Jhenidah district, Bangladesh; page-36-41 Proceeding of 24 National congress on Challenges in Biodiversity and Resource Management, Feb 2013 by Kalyani University.
- 808. Ecology and Zooplankton diversity of floodplain wetland in West Bengal in India Proceeding of 24 National congress on Challenges in Biodiversity and Resource Management, Feb 2013 by Kalyani University.
- 809. Immunobiochemical characterization of Leptin protein of Indian Major Carp (Labeo rohita); page 242-245 Proceeding of 24 National congress on Challenges in Biodiversity and Resource Management, Feb 2013 by Kalyani University...
- 810. Study of behavioural responses in Cyprinus carpio exposed to different toxic agricultural effluents;, page 316-319 Proceeding of 24 National congress on Challenges in Biodiversity and Resource Management, Feb 2013 by Kalyani University
- 811. Kundu, S, Biswas, M. K, Banerjee, A, Bhadra, K, Suresh Kumar, G, Drew, M.G.B, Bhadra, R and Ghosh, P. (2013) Synthesis, structure and DNA binding study of 9phenyldibenzo[a,c]phenazin-9-ium". RSC Adv. 3, 3054; IF= 3.0
- 812. Santu Kumar Sahaa, Sourav Sikdar, Avinaba Mukherjee, Kakali Bhadra ,Naoual Boujedainic, Anisur Rahman Khuda-Bukhsh. (2013) Ethanolic extract of the Goldenseal, Hydrastis canadensis, hasdemonstrable chemopreventive effects on HeLa cells in vitro:Drug–DNA interaction with calf thymus DNA as target. Envn. Toxl. Pharm, 36, 204-214; IF= 1.469
- 813. Jayeeta Das, Sreemanti Das, Asmita Samadder, Kakali Bhadra, Anisur Rahman Khuda-Bukhsh. (2012) Poly (lactide-co-glycolide) encapsulated extract of Phytolacca decandra demonstrates better intervention against induced lung adenocarcinoma in mice and on A549 cells. European Journal of Pharmaceutical Sciences, 47, 313–324. IF= 3.21

- 814. Asmita Samadder, Jayeeta Das, Sreemanti Das, Durba Das, Arnab De, Kakali Bhadra, Anisur Rahman Khuda-Bukhsh. (2012) Dihydrooxy-1sosteviol methyl ester of pulsatilla nigricans extract reduces arsenic induced DNA damage in testis cells of mice: its toxicity, drug-DNA interaction and signalling cascades. Journal Of Chinese Integrative Medicine, 10, 12, 1433. IF= 0.7
- 815. Dasgupta, R., Chakravorty, P.P and Kaviraj, A. (2012). Effects of carbaryl, chlorpyrifos and endosulfan on growth, reproduction and respiration of tropical epigeic earthworm, Perionyx excavatus (Perrier). JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH, PART B (TAYLOR AND FRANCIS). 47:2, 99-103.
- 816. Kaviraj, Anilava, Mondal, Kausik, Mukhopadhyaya, P.K., Turchini, Giovani (2013). Impact of fermented mulberry leaf and fish offal in diet formulation of Indian major carp (labeo rohita). PROC. ZOOL. SOC. (KOLKTA) (SPRINGER). 66 (1):64-73
- 817. Saha Suchismita and Kaviraj Anilava. (2013) Dietary ascorbic acid as a means to counter the stress of cypermethrin on the growth of freshwater catfish Heteropneustes fossilis. TOXICOLOGY AND INDUSTRIAL HEALTH (SAGE, UK), DOI: 10.1177/0748233712436642 Published online on Feb 9, 2012. Print- 2013-Vol 29 (5).468-473.
- 818. Mondal, Debjit Kumar and Kaviraj Anilava. 2013. Feeding and reproductive biology of Amblypharyngodon mola (Cypriniformes, Cyprinidae) from two floodplain lakes of India. INTERNATIONAL JOURNAL OF AQUATIC BIOLOGY. 1(3): 125-131
- 819. Kaviraj,A.; Dasgupta,R. and Chakravorty, P.P. 2012. Ecotoxicological risk assessment of three insecticides using an epigeic earthworm. In George Sorial and Jihua Hong, eds. PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2012 VOL. 1. AMERICAN SCIENCE PRESS, HOUSTON, USA, PP. 546-551, ISBN: 9780976885351
- Kaviraj, A, Dasgupta, R and Chakrabarty, P.P.. 2012. Ecotoxicological risk assessment of three insecticides using an epigeic earthworm. – International Conference on Environmental Science and Technology, Houston, Texas, USA, June 25-29, 2012
- 821. Ecotoxicological risk assessment of three insecticides using an epigeic earthworm. International Conference on Environmental Science and Technology, Houston, Texas, USA, June 25-29, 2012
- 822. Purification and characterization of novel sperm motility related proteins (2012)In Protein purification, Edited by M Bentez and V Aguiree, Nova Science publisher Inc, USA ISBN 9781-61470-098-2
- 823. Green nanotechnology A new hope for medical biology P Banerjee and D Nath Eenvironmental toxicology and pharmacology 3 6 (2 0 1 3) 997–1014 Impact factor 2.1 ISSN1382-6689/\$ 2013 Elsevier B.V..http://dx.doi.org/10.1016/j.etap.2013.09.002
- 824. A Novel Membrane Protein-Specific Serine/Threonine Kinase:Tissue Distribution and Role in Sperm Maturation Debjani Nath,1, 2 Arpita Bhoumik,1, 3 Sujoy Das,1 Debdas Bhattacharyya,3Sandhya R. Dungdung,1 and Gopal C.Majumder1International Scholarly Research NetworkISRN Urology ISSN 2090-5807 Volume 2012, Article ID 789105, 7 pages doi:10.5402/2012/789105
- 825. Effect Of Methanolic Leaf Extract Of Ocimum basilicum L. On Benzene Induced Hematotoxicity In Mice M Mukhopadhyay; S Saha, P Ghosh and D Nath .Evidence-Based Complementary and Alternative Medicine Volume 2012, Article ID 176385, 7 pages doi:10.1155/2012/176385 Impact Factor 4.774
- 826. Nanofabrication: A cue for cellular differentiation. D Nath OA Molecular & Cell Biology 2013 Jul 01;1(1):7. OA publishing London ISSN 2054-7331

- 827. Phytochemicals biomolecules for prevention and treatment of human diseases-a review M Mulhopadhyay; P Banerjee and D Nath International Journal of Scientific & Engineering Research Volume 3, Issue 7, July-2012 1 ISSN 2229-5518 Impact factor 1,0
- 828. Comparative analysis of dipeptidyl aminopeptidase activity in haematological tissues of vertebrates. M Mukhopadhyay; M Shaw and D Nath International Journal of Advancements in Research & Technology, Volume 2, Issue1, January-2013 1 ISSN 2278-7763
- 829. Genetic regulation of epididymal microenvironment (2013) Internatinal J of current research Vol. 5, Issue, 10, ISSN: 0975-833X

DEPARTMENT OF BUSINESS ADMINISTRATION

- 830. Revised Schedule VI- An Introduction", Lectures on Contemporary Issues in Accounting and Management, Pal, A.M. (Ed), Alpana Enterprises, pp. 67-72.
- 831. "Carbon Emissions Trading in India: A study on Accounting and Disclosure Practice", The Chartered Accountant, Institute of Chartered Accountant of India, New Delhi, Vol. 61(6), December 2012, pp. 85-95.
- 832. "Interim Financial Reporting by Indian Listed Companies and Accounting Choices" Indian Accounting Review, Indian Accounting Association Research Foundation, Kolkata Vol.16, No.2, December 2012, pp. 43-62. (Co-author: Kaushik Banerjee)"Employment, Growth and Regional Disparity: A Study with Special Emphasis on West Bengal", Indian Economic Journal, Indian Economic Association, December 2012, pp.262-270.
- 833. "Carbon Issues: Aligning Operational Strategies with Organisational Performance", Research Bulletin, The Institute of Cost Accountants of India, Volume xxxvi, October 2012, pp. 56-70. (Co-author: Sarbani Mitra)
- 834. "Carbon Emissions Trading- Status of CDM Projects in India", South Asian Journal of Commerce & Management, Volume 3, No. 3, July-September 2012, pp. 19-24. (Co-author: Sarbani Mitra)
- 835. "Triple Bottom Line Reporting: Evidence from Listed Companies in India", 11th International Accounting Conference, January 5-6, 2013 organized by Indian Accounting Association Research Foundation, Kolkata(Co-author: SarbaniMitra)
- 836. "Financial Inclusion: Practice of Indian Public Sector Banks" 11th International Accounting Conference, January 5-6, 2013 organized by Indian Accounting Association Research Foundation, Kolkata(Co-author: Avijit Bakshi)
- 837. Assessment of Influencing Factors in West Bengal Engineering Colleges by Analytical Hierarchy Process and Evaluations of Proposed Alternatives (Co-author-AbhijitPramanik), IRACST- International Journal of Research in Management & Technology (IJRMT), Vol. 2 No.2, April 2012, (ISSN: 2249-9563), page 205-212
- 838. Application of XML services in Indian e-governance portal: Improving Interoperability, Simplicity and Versatility", page 310-315 (Co-author-Sudhangsu Das, SajalKantiBhadra), IRACST - International Journal of Computer Science and Information Technology & Security (IJCSITS), Vol. 2, No.2, April 2012, ISSN: 2249-9555
- 839. ERP implementation issues and challenges: A FISHBONE analysis in context to Indian industries", page 220-227(Co-author-Sudhangsu Das, SajalKantiBhadra), IRACST-International Journal of Research in Management & Technology (IJRMT), Vol. 2 No.2, April 2012(ISSN: 2249-9563),
- 840. An Exploratory Study on Performance Appraisal System and its impact on Organizational Performances (coauthorAjitkrGhosh, Soma Bose Biswas, RESEARCH BULLETIN, Vol XXXVI October,2012 pp-36-55, 2230 9241

- 842. A COMPARATIVE STUDY BETWEEN MANUAL AND ELECTRONIC GOVERNANCE IN WEST BENGAL(Co-author-Sudhangsu Das, SajalKantiBhadra), IJRMEC Volume2, Issue 11 (November- 2012) ISSN: 2250-057X
- 843. A comparative Study between Manual and Electronic Governance in West Bengal" in 4th International Conference on Information Technology & Business Intelligence (ITBI-12) held in Bhubeneswar on 23rd _25thNovember,2012 organized NY IMT, Nagpur and IMIS Bhubaneswar.
- 844. Economics I, Pearson, New Delhi, ISBN: 978-81-317-7242-3, (Co-author: S. K. Ghosh)
- Economics II and Advanced Business Mathematics, Pearson, New Delhi, ISBN: 978-81-317-8758-8, (Co-author: S. K. Ghosh and A. Baksi)
- 846. "Sustainability of Eco-clothes: An Economic Exposure", Global Environment: Contemporary Issues and Challenges, Alpana Enterprise, Kolkata, 2012, page 141-148, (ISBN: 978-81-921382-2-0) (Co-author: S. K. Ghosh)
- 847. "Sustainable Ecotourism: Insurance for India's Eco-treasures", Tourism Opportunities and Ventures, Jahanavi Publications Pvt. Ltd, Jaipur, 2012, page: 163-174, (ISBN: 978-81-922695-3-5). (Co-author: S. K. Ghosh).
- Manufacture Owned Brand Vs Private Label Brand: Where Does the Buying Wind Blow?", Journal of Management Research in Emerging Economies, Vol. 2, No. 1, Jan- June 2012 page 88-103, (ISSN: 2229-4252).
- 849. "Customers' Loyalty: An Organized Retail Horoscopy", SIT Journal of Management, Vol.1, no. 1, June 2012, page 28-46. (ISSN: 2278-9111). (Co-author: Gairik. Das).
- 850. "Customer Value Management in the Middle of the Market: A Study on Birla Tyres", Journal of Business and Economic Issues, Vol. 4, no. 1, 2012, page 01 10 (ISSN: 0974-9144)
- 851. "MLM Vs Non-MLM Brands: Attitudinal Evaluation Through Customers' Eye", International Journal of Business Insights and Transformation, Vol. 5, issue. 2, April September 2012, page 69 75, (ISSN: 0974-5874). ((Co-author: M. K. Das)
- 852. "Technology Breakthrough and Marketing Strategy: A study on Driving New Customer Value in Automobile Truck-Bus Radial (TBR) over Bias Technology in Indian Perspective", The Alternative, Vol. 11, No.2, April-September, 2012, page 5-22, (ISSN: 0973-0451). (Co-author. S. Karan)
- 853. "Channel Conflict in Laboratory Ingredients Market: Surfacing Every Nook and Corner", South Asian Journal of Commerce & Management, Vol. 3 No.4, October- December, 2012, page 17-25, (ISSN: 0975-8259). (Co-author: A. Pal).
- 854. Personality and Consumer Behaviour: Exploring Marketing Strategies to Enrich Customer Value", Vedaang, Vol. 3, No. 2, July-December, 2012, page 34-40, (ISSN: 09753-7961). (Co-author. S. Karan)
- 855. Business Strategies for Mid-Market Segment: A Holistic Approach of Birla Tyres Customer Value Management", National Conference on Paradigm for Sustainable Business: People, Planet and Profit, organized by Department of Management Studies, IIT Roorkee, page 1 -5.
- 856. "Customers' Attitude Towards M-Commerce: Crawling with Technological Shy", International Seminar organized by ShriShankaracharya Institute of Tech. and Management, Bhilai on 21-23 June, 2012.
- 857. Saha B, Adhikary A, Ray P, Saha S, Chakraborty S, Mohanty S, Das K, Mukherjee S, Mazumdar M, Lahiry L, Hossain S, Sa G and Das T. Restoration of tumor suppressor p53 by

differentially regulating pro- and anti-p53 networks in HPV-18-infected cervical cancer cells.**Oncogene 2012; 31(2): 173-86. Publisher** : *nature publishing group* [Impact factor: 7.414]/ ISSN: 0950-9232

- 858. 100th Indian Science Congress held at Kolkata, Duration January 3-8, 2013 Participation Oral presentation Title of the Paper: The role of p27 and RhoA signaling involved in progression of Chronic Myeloid Leukemia.Author's Names: Dr. Lakshmishri Lahiry Affiliation:. Assistant Professor, Department of Physiology, University of Kalyani, Kalyani-741235, West Bengal.
- 859. Chapter 69 in an edited volume "Lecture Notes in Mechanical Engineering" published by Springer, ISSN: 2195-4356 (in 2012).
- 860. "Graph Modelling of Equity Portfolio: Empirical Evidence from India.",International Journal of Information and Computation Technology, ISSN:0974-2239, Vol-2, No-1, July 2012.
- 861. "Graph Modelling for Hedging in Equity Portfolio: A Recent Study in Indian Context." Asian Journal of Multidimensional Research, ISSN: 2278-4853, Vol-1, Issue- 4, September 2012.
- 862. "Balancing of Portfolio Graphs: Evidence from India."South Asian Journal of Commerce & Management, ISSN: 0975-8259, Vol-3, No-4, Oct 2012.
- 863. "To Judge an Interdisciplinary Approach for Stock Market Prediction:Evidence from India", ACADEMICIA: An International Multidisciplinary Research Journal, ISSN 2249-7137, Vol-2, Issue- 11,November 2012.
- 864. " A New Technique for Portfolio Optimization: Evidence from India.", The Brahmaputra: Rhythm of The Promises, ISSN 2278-246X, Vol-V, Issue 2, December, 2012.
- "Scope of Fuzzy Logic in Production and Operations Management: A Recent Review", Trans Asian Journal of Marketing & Management Research, ISSN 2279-0667, Vol-2, Issue-2,February 2013.
- 866. "Neural Network Technique for Prediction of Time Series.", Special Issue of International Journal on Advanced Computer Theory and Engineering (IJACTE), ISSN (Print): 2319-2526, Vol-2, No-1,2013.
- 867. "An Application of Neural Network and Genetic Algorithm: Evidence from India." International Conference on Software Technology and Computer Engineering during July 22, 2012. (Full paper is published in proceedings).
- 868. Hypothesis Testing Comparison between Monte Carlo Simulation and ANN based Financial Forecasting Model. "International Conference on Computer Science and Medical Engineering during Sep 2, 2012. (Full paper is published in proceedings).
- Balancing of Portfolio Graphs: Evidence from India." National Seminar on Advancement in Management & Related Issues during Nov 22-23, 2012. (Abstract is published in proceedings.).
- 870. "Optimization Technique through Genetic Algorithm: A Recent Review. "National Conference on Paradigm for Sustainable Business: People, Planet and Profit organized by Indian Institute of Technology, Roorkeeduring March 8-9, 2013. (Abstract is published in proceedings.).
- 871. "Graph Theory and its Various Applications: A Recent Review of Literatures." National Conference on Paradigm for Sustainable Business: People, Planet and Profit organized by Indian Institute of Technology, Roorkee during March 8-9, 2013. (Abstract is published in proceedings.).
- 872. "Artificial Intelligence Applications in Economics and Finance: A Recent Review of Literature and Its Re-classification." National Conference on Paradigm for Sustainable Business: People, Planet and Profit organized by Indian Institute of Technology, Roorkee during March 8-9, 2013. (Abstract is published in proceedings.).

- 873. "Restructuring and Balancing of Portfolio: Evidence from India." International Conference on Computational and Financial Econometrics organized by Indian Institute of Technology, Kharagpurduring Dec 27-29, 2012 (Abstract is published in proceedings.).
- 874. A full article is placed in the Souvenir of the 11th annual reunion (24th Feb,2013) of the Department of Business Administration, University of Kalyani.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- 875. Samayita Bhattacharya and Kalyani Mali, "Security, Forgery and Fingerprints: Advantages, Drawbacks and Limitation of Biometrics", International Journal of Computer Information Systems, May Issue, ISSN 2229 5208, Vol. 4, No. 5, 2012, pp 6-10. **Impact Factor: 1**
- 876. Samayita Bhattacharya and Kalyani Mali, "Fingerprints Pre-processing in Frequency Domain", International Transactions on Electrical, Electronics and Communication Engineering, ISSN 2249 8923, Vol. 2, No.3, 2012, June Issue, pp 11-18. **Impact Factor: 1**
- 877. Samayita Bhattacharya and Kalyani Mali, "Medical Data Handling Using Cloud Computing And A Proposal for Countrywide Medical System", i-manager's Journal on Software Engineering (JSE), July - September 2012 issue, ISSN Print: 0973-5151, ISSN Online: 2230-7168, pp 19-24. Impact Factor: 0.510
- 878. Kalyani Mali and Samayita Bhattacharya, "Fingerprint Database Handling Using Cloud Computing With Added Data Mining and Soft Computing Features", International Journal of Emerging Technology and Advanced Engineering, Volume 3, Issue 2, February 2013, ISSN 2250–2459, pp 610-617. Impact Factor: 1.9
- 879. Kalyani Mali and Samayita Bhattacharya, "Fingerprint Recognition Using a Reference Point and Pores", International Journal of Electronics Communication and Computer Engineering (IJECCE), ISSN (Online Journal) : 2249 071X, ISSN (Print): 2278 4209, pp-1303-1308. Impact Factor: 1
- 880. Kalyani Mali and Samayita Bhattacharya, "Image Acquisition & Enhancement of Fingerprint Images", International Journal of Advanced Scientific and Technical Research (IJAST), ISSUE 3, Vol.1, ISSN 2249-9954, pp 551-557. Impact Factor: 2.94

DEPARTMENT OF ENGINEERING, TECHINOGOLICAL STUDIEAS

- 881. Md. I. Quraishi, M. De, J Paul Choudhury, G. Das and A. Srivastava, "An approach for scratch removal from digital image using image reconstruction," International Journal of Computer Applications (IJCA), ISSN 0975-8887, vol. 62, no. 18, January 2013, pp. 1-5.
- 882. Kunal Das, Debashis De and Mallika De, "Competent universal reversible logic gate design for quantum dot cellular automata," WSEAS Transactions on Circuits and Systems, Issue 12, Volume 11, December 2012, E-ISSN: 2224-266 X, pp. 401-411.
- 883. N. S. Datta, R. Sarkar, H. S. Datta and M. De, "Software based automated early detection of diabetic retinopathy on non-dilated retinal image through mathematical morphological process," International Journal of Computer Applications (IJCA), ISSN 0975 – 8887, vol. 60, no. 18, December 2012, pp. 20-24.
- 884. D. Singh, J. Paul Choudhury and M. De, "A comparative study to select a soft computing model for developing the knowledge base of data mining with association rule by factor analysis," International Journal of Advancements in Computer Science and Information Technology, Print ISSN 2250 – 2440, Vol. 12, No. 1, November, 2012.
- 885. D. Singh, J. Paul Choudhury and M. De, "An effort to extract the knowledge of data mining using the soft computing methodology," International Journal of Scientific and Engineering Research (IJSER), ISSN 2229-5518, (In print).

- 886. Md. I. Quraishi, M. De, J Pal Choudhury and Goutam Das, "A novel soft computing model on landslide hazard zone mapping," International Journal of Computer Applications and Information Technology (IJCAIT), vol. 1, Issue 3, November 2012 (ISSN: 2278-7720), pp. 130-135.
- 887. B. Pal, S. Chattopadhyay, S. Mitra, R. Chowdhury, M. De, "Study and comparison of indexing models in data warehouses," International Journal of Software Engineering Research and Practices, vol. 2, no. 2, Nov. 2012, e-ISSN: 2231-0320, Print ISSSN:2231-2048.
- 888. B. Pal, A. Bhattacharya, S. Ghosh, R. Chowdhury and M. De, "Comparative study of various bitmap indexing techniques used in data warehouse," International Journal of Emerging Trends and Technology in Computer Science (IJETTCS), vol. 1, Issue 3, Sept.-Oct, 2012, ISSN 2278-6856, pp. 147-150.
- 889. Arijit Dey, Kunal Das, Debashis De, Mallika De, "Probabilistic Defect Analysis Model for Quantum dot Cellular Automata Design at Analytical Phase," International Journal of Computer Applications, Published by Foundation of Computer Science, New York, USA. 55(7): pp. 33-41, October 2012, ISSN 0975-8887.
- 890. Md. I. Quraishi, J Pal Choudhury, M. De, "A Novel approach in Image Recognition using Artificial Neural Networks", Int'l. Journal of Advanced Computer Engineering and Architecture (IJACEA), ISSN 2248-9452, Vol. 1, No. 1, June-Dec, 2012, pp. 247-254.
- B. Pal, L. Rout, P. Shah and M. De, "Logical data warehouse design using distributed schema architecture," International Journal of Computer Science and Technology (IJCST), vol. 3, Issue 2, Apr-Jun, 2012, ISSN 2229-4333(Print), ISSN 0976-8491 (Online).
- 892. D. Singh, J. Paul Choudhury, M. De, "A Comparative Study to Select a Soft Computing Model for Knowledge Discovery in Data Mining," International Journal of Artificial Intelligence and Knowledge Discovery, vol. 2, Issue 2, April, 2012, Print ISSN: 2231-2021 e-ISSN: 2231-0312.
- 893. A. Datta and M. De, "Fault-Tolerant and Non Adaptive Wormhole Routing Algorithm for Multi Mesh Network," International Journal of Computer Technology and Electronics Engineering (IJCTEE), Vol. 2, Issue 3, 2012, pp. 1-9, ISSN: 2249-6343.
- 894. D. Singh, J. P. Choudhury and M.De, "A Comparative Study on the performance of Fuzzy Logic, Bayesian Logic and Neural Networks Towards Decision-making, Int. J. Data Analysis Techniques and Strategies (IJDATS), Vol. 4, No. 2, 2012, 205- 216. ISSN 1755-8069. Copyright © 2012, Inderscience Enterprises Ltd.
- 895. Md. I. Quraishi, M. De, J Pal Choudhury, S. Samanta and P. K. Dutta, "A comparative study for edge detection and filtration from noise effected images," Proc. 7th National Conference, INDIACom-2013, Computing for National Development, 7th-8th March, BVICAM, New Delhi, India, 2013, pp. 133-138.
- 896. D. Singh, R. Chowdhury, B. Pal, J. Paul Chowdhury, M. De, "Comparative and comprehensive study to select a soft computing model in the data mining domain," International Conference on Computation and Communication Advancement (IC3A), 11-12 January 2013, pp. 111-116.
- 897. A. Datta and M. De, "Adaptive fault tolerant message routing in Multimesh," International Conference on Computation and Communication Advancement (IC3A), JIS College of Engineering, Kolkata, India, 11-12 January, 2013, pp. 199-204.
- 898. Md. I. Quraishi, J Pal Choudhury, M. De and G. Das, "A comprehensive performance analysis of various types of filters on noise affected images," International Conference on Computation and Communication Advancement (IC3A), JIS College of Engineering, Kolkata, India, 11-12 January, 2013, pp. 246-250.
- 899. Md. I. Quraishi, K. G. Dhal, M. De, Sk. S. I. Ahammed, J Paul Choudhury and G. Das, "An approach of image enhancement in frequency domain: A comparative study," Proc.

International Conference on Emerging Trends in Electrical, Electronics and Communication Technologies (ICECIT 2012), Anantapur, A. P., India, pp. (Publisher: Elsevier)

- 900. Md. I. Quraishi, J Pal Choudhury, M. De, G. Das, S. Dutta, "An image processing approach for secure communication," Proc. International Conference on Advances in Computer Science (AET_ACS 2012), 28-29 Dec, 2012, pp. 35-38. (Published by ACEEE).
- 901. R. Chowdhury, R. Bose, N. Sengupta, M. De, "Logarithmic formula generated seed based cryptographic technique using proposed alphanumeric number system and Rubik Rotation algorithm," Proc. IEEE 2012 International Conference on Communications, Devices and Intelligent Systems (CODIS), 28-29 December, 2012, Jadavpur University, Kolkata, (Accepted). Proceedings in CD: IEEE Catalogue Number CFP1207U-CDR, ISBN 978-1-4673-4698-6, Proceedings in Print: IEEE Catalogue Number CFP1207U-PRT, 1-4673-4697-9.
- 902. R. Chowdhury, B. Pal, A. Ghosh and M. De, "A data warehouse architectural design using proposed pseudo mesh schema," Proc. First International Conference on Intelligent Infrastructure, CSI 2012, 47th Annual National Convention of Computer Society of India, Publication by Tata McGraw Hill Education Private Limited, ISBN (13) 978-1-25-906170-7, ISBN (10) 1-25-906170-1, Science City Auditorium, Kolkata, 01 02 December, 2012, pp. 138 141.
- 903. D. Singh, J. Paul Choudhury and M. De, "A comparative study to discover the knowledge in data mining by soft computing model," Proc. 1st International Conference on Computing, Communication and Sensor Network (CCSN-2012), Orissa, India, Nov. 22-23, 2012.
- 904. Md. I. Quraishi, M. De, J Pal Choudhury, K. G. Dhal, P. Ghosh and P. Sai, "A novel human hand finger gesture recognition using machine learning," 2nd IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC 2012), Solan, H.P., India, 6-8 Dec, 2012, pp. 882-887, IEEE Catalogue no. CFP1234K-CDR, ISBN 978-1-4673-2925-5
- 905. Md. I. Quraishi, K. G. Dhal, M. De, J. Pal Choudhury and K. Pattanayak, "A novel hybrid approach to enhance low resolution images using particle swarm optimization," 2nd IEEE International Conference on Parallel, Distributed and Grid Computing (PDGC 2012), Solan, H. P., India, 6-8 Dec, 2012, pp. 888-893, IEEE Catalogue no. CFP1234K-CDR, ISBN 978-1-4673-2925-5.
- 906. Md. I. Quraishi, J. Paul Choudhury, M. De, A. Bhattacharjee, G. Das," A Comparative study for Image Enhancement using Soft Computing Models," World Congress on Information and Communication Technologies (WICT), Trivandrum, Kerala, India, 30 Oct -2 Nov, 2012, 978-1-4673-4804-1 2012 IEEE, pp. 697-702.
- 907. R. Chowdhury, S. Ghosh and M. De, "String Graphixification Based Asymmetric Key Cryptographic Algorithm Using Proposed Concepts of GDC and S-Loop Matrix," Proceedings of International Conference on Informatics, Electronics and Vision, 18th – 19th May, 2012, Dhaka, Bangladesh, ISBN – 978-1-4673-1152-6, (Published and Archived in IEEE Digital Xplore)
- 908. P.Samaddar, S.Sarkar,S.Biswas, D.C.Sarkar, P.P.Sarkar. A Novel Penta-band Frequency Selective Surface. International Journal of Electronics & Communication Technology (IJECT), Vol.3 Issue 2, April-June 2012. ISSN:2230-7109. Pp-79-81
- 909. P.Pradhan, S.Biswas D.Sarkar, P.P.Sarkar. Soft Computing Tool to Establish a Relation between Slot Length of A Microstrip Antenna and Resonant Frequency. International Journal of Computer Science And Technology (IJCST), Vol.3 Issue 2, April-June 2012. ISSN:2229-4333. Pp-386-388
- 910. A.Chaterjee, D.Sarkar, P.P.Sarkar. Theoretical and Experimental Investigation on a Polarization Independent Compact Multiband Frequency Selective Surface. International

- 911. S.Sarkar, S.De, S.Biswas, D.Sarkar, P.P.Sarkar. A Tunable Microstrip Antenna design with multifaceted ability: Compactness, wideband, and Multi-frequency Operation. SciVerse ScienceDirect, ELSEVIER, Procedia Technology 4 (2012). Pp- 69-73
- 912. M.Chakraborty, B.Rana, P.P.Sarkar, A.Das. Design and Analysis of a Compact Rectangular Microstrip Antenna with slots using Defective Ground Structure. SciVerse ScienceDirect, ELSEVIER, Procedia Technology 4 (2012). Pp- 411-416
- 913. S.Mondal, P.P.Sarkar. Wideband Bidirectional Planar Shorted Circular Monopole Antenna. SciVerse ScienceDirect,ELSEVIER, Procedia Technology 4 (2012). Pp-421-426
- 914. S.Das, Dr.P.P.Sarkar, Dr.S.K.Chowdhury, P.Chowdhury. Compact Multifrequency Slotted Microstrip Patch Antenna with Enhanced Bandwidth Using Defected Ground Structure for Mobile Communication. International Journal of Engeneering Science & Advanced Technology, Vol.2 Issue 2, April-June 2012. ISSN:2250-3676. Pp-301-306
- 915. S.Das, Dr.P.P.Sarkar, Dr.S.K.Chowdhury. A Compact Novel Multifrequency Slotted Microstrip Patch Antenna for WiMAX and C Band Application. Journal of Engeneering Research and Studies (JERS)Vol.3 Issue 2, April-June 2012. ISSN:0976-7916. Pp-57-59
- 916. S.Das, Dr.P.P.Sarkar, Dr.S.K.Chowdhury. New Compact Impedance Matched Dual Frequency Printed Antenna for PCS System. International Journal of Advanced Scientific Research and Technology, Vol.3 Issue 2, June 2012. ISSN:2249-9954. Pp-338-345
- 917. A.Ray, M.Kahar,S.Biswas, D.Sarkar, P.P.Sarkar, A Dual Tuned Complementary Structure Frequency Selective Surface for WLAN Applications. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, Vol.11, No. 1, June 2012. Pp -144-153
- 918. S.Chatterjee, P.P.Sarkar, D.Sarkar, S.K.Chowdhury. Compact Microstrip Antenna for WLAN and H-LAN Communication. International Journal of Soft Computing and Engineering (IJSCE), Vol.2 Issue 3, July. 2012. ISSN:2231-2307. Pp-270-274
- 919. S.De, S.Sarkar, P Samaddar, S.Biswas, D.Sarkar, P.P.Sarkar. Size Reduction of a Microstrip Antenna by Modifying the Ground Plane Using Cross Slot. International Journal of Electronics & Communication Technology (IJECT), Vol.3 Issue 2, April-June 2012. ISSN:2230-7109. Pp-40-42
- 920. S.Nandi, P.P.Sarkar, A.Das. Analysis of a Statistical Hypothesis Based Learning Mechanism for Faster Crawling. International Journal of Artificial Intelligence & Applications (IJAIA), Volume 3, No-4, July 2012. Pp-117-130
- 921. A.Ray, M.Kahar, P.P.Sarkar. Theoretical Investigation on an Array of Dual Tuned Staggered Dipole Apertures by the MOM and Comparison with Experimental Results. Microwave Review, August 2012. Pp – 11-16
- 922. G.Sen, T.Mandal, S.Mahato, S.Nandi, P.P.Sarkar. Design and Analysis Compact Ultra Wide-Band Coaxial Probe Feed Microstrip Patch Antenna. International Journal of Computer Applications (0975 – 8887), 2012. Pp – 18-20
- 923. S. Mondal, S.Nandi, T.Mandal, G.Sen, P.P.Sarkar. Design of a High Q Multifrequency Notch Filter with the Help of Frequency Selective Surface Having Square Spiral Patch Array. International Journal of Computer Applications (0975 – 8887) 2012. Pp- 21-23
- 924. S.Sing,S.Majumdar,S.Nandi,S.Mandal,P.P.Sarkar. A Design Approach for Dual Polarized Multibabd FSS Using Self-Similar Fractal Element. International Journal of Computer Applications (0975 – 8887),2012. Pp-24-26
- 925. S.Nandi, S.Majumdar, S.Sing, P.P.Sarkar. Design of Two Multiband Frequency Selective Surfaces with Novel Shaped Slots on Circular Patch. International Journal of Computer Applications (0975 – 8887),2012. Pp-32-34

- 926. A.Chatterjee, D.Sharma, D.C. Sarkar, P.P. Sarkar. Theoretical and Experimental Investigation on A Slot Loaded Compact-Multiband Frequency Selective Surface. International Journal of Computer Applications (0975 – 8887),2012. Pp- 16-18
- 927. S. De, S. Sarkar, S. Biswas, D. Sarkar , P.P. Sarkar. Investigation on a Broadband Microstrip Two Element Monopole Antenna with High Gain. IETEJR_356_12. 1st December 2012, Accepted.
- 928. K.Mandal, P.P.Sarkar. High Gain Wide-Band U-Shaped Patch Antennas with Modified Ground Planes. IEEE Transaction, Antennas and Propagation, Paper No.: AP1207-0922.R1. 03-Dec-2012, Accepted
- 929. S.Mondal, P.P.Sarkar. A Novel Design of Compact Wideband Hexagonal Antenna. MOTL, Vol. 55, No. 1, January 2013. Pp 1-4
- 930. S. Singh, P.P. Sarkar, D. Sarkar, S. Bhunia, S. Biswas. Design of a Miniaturized Dual Wide Band Frequency Selective Structure. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307. Pp 347-349
- 931. S.De, P.Samaddar, S.Sarkar, S.Biswas, D.Sarkar, P.P.Sarkar. Compact High Gain Multifrequency Microstrip Antenna. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307. Pp- 337-339
- 932. S. Mondal, S. Sarkar, S. De, P. Samaddar, S. Bhunia, P.P. Sarkar. Studies on a Modified CPW Feed Planar Monopole Antenna. International Journal of Soft Computing and Engineering (IJSCE). ISSN:2231-2307. Pp – 350-354
- 933. P.Samaddar, S. De, S. Sarkar, S. Biswas, D.C. Sarkar, P.P. Sarkar. Study on dual wide band frequency selective surface for different incident angles. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307. Pp- 340-342
- 934. Surajit Mondal, Sourav Nandi, Sushanta Sarkar, Shuvodip Majumdar, Partha Pratim Sarkar. Design of Compact-Broadband Frequency Selective Surface (FSS) by Modifying the Dimension Of Slot and Periodicity. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307, Pp – 343-346
- 935. S.Sarkar, R.P.Ghosh, S.Biswas, D.Sarkar, P.P.Sarkar. Tuning of Rectangular Microstrip Patch Antenna by Varying the Length of the SAlot Loaded in the Ground plane. International Journal of Electronics & Communication Technology (IJECT), Vol.4 Issue 1, January-March 2013. ISSN:2230-7109. Pp -216-218
- 936. T.Mandal, G.Sen, S.Mahato, P.P.Sarkar. Studies on Compactness and wideband of Frequency selective surface (FSS) by cutting slot within square shaped Patch. National Conference on Communication, Measurement and Control(CMC 2012). Asansol Engineering College, Vol-1,14th August 2012. Pp 78-80
- 937. S.Mahato, T.Mandal, G.Sen, P.P.Sarkar, Compact Dual Band Microstrip Antenna for Wireless Application. National Conference on Communication, Measurement and Control(CMC 2012).Asansol Engineering College, Vol-1,14th August 2012. Pp- 70-71
- 938. G.Sen, T.Mandal, S.Mahato, S. Mondal, P.P.Sarkar, Investigation on a Compact Broadband Microstrip Patch with Dual Resonating Frequencies. National Conference on Communication, Measurement and Control(CMC 2012). Asansol Engineering College, Vol-1,14th August 2012. Pp -75-77
- 939. T.Mandal, S.Mahato, S.Majumder, G.Sen, P.P.Sarkar. A Compact Ultra Wide-Band FSS for C Band Rejection: Design and Theoretical Analysis. National Conference on Electronics, Communication and Signal Processing (NCECS 2012), 19th September 2012. Pp – 170-171

- 940. S.Mahato, G.Sen, T.Mandal, S.Majumder, P.P.Sarkar. Design of a Compact Tri-Band Frequency Selective Surface. National Conference on Electronics, Communication and Signal Processing (NCECS 2012), 19th September 2012. Pp – 172-173
- 941. A.Roy, P.P.Sarkar, S.Bhunia. Shorting Pin Loaded Compact and Broadband Triangular Microstrip Patch Antenna. 2nd National Conference on Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp 44-47
- 942. S. Mondal, S. Sarkar, S. De, P. Samaddar, S. Bhunia, P.P. Sarkar. Compact Wideband Planar Quasi Semiconductor Monopole Antenna. 2nd National Conference on Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp – 40-43
- 943. P. Samaddar, S. De, S. Sarkar, S. Biswas, D.C. Sarkar, P.P. Sarkar. Design of a Single Layer. Frequency Selective Surface. with Dual Wide Band. 2nd National Conference on Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp – 37-39
- 944. S.De, P Samaddar, S.Sarkar, S.Biswas,D.Sarkar, P.P.Sarkar. Compact Multi-frequency Microstrip Antenna. 2nd National Conference on Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp 34-36
- 945. Surajit Mondal, Sourav Nandi, Sushanta Sarkar, Shuvodip Majumdar, P. P. Sarkar. Studies on Compact-Broadband Application of Frequency Selective Surface (FSS) by Modifying the Unique Shaped Slot within Rectangular Patch. 2nd National Conference on Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp – 31-33
- 946. Sourav Nandi, Surajit Mondal, Shuvodip Majumdar, P.P.Sarkar. Optimization of Size Reduction of a Dual-band Frequency Selective Surface by Modifying Slot Dimension. 2nd National Conference on Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp – 28-30
- 947. S.Singh, P.P.Sarkar, D.Sarkar, S.Bhunia, S.Biswas. Design of Miniaturized Dual Wide Band Frequency Selective Structure. 2nd National Conference on Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp – 25-27
- 948. P.P.Sarkar. Innovative research studies for the design of practical monopole antenna. 2nd National Conference on. Advanced Communication Systems and Design Techniques, NCACD (HIT) 2012,29-30th September. Pp – 6-9
- 949. Manisha Kahar, Arup Ray, P.P Sarkar. Design of a Miniaturized Dual Frequency Dichroic with Fine Stability of Resonant. Frequency, Security Aspects in Modern, Communication System. NSSAMCS 2013. March 5-6, 2013. Pp -110-113
- 950. Snehasish Saha, Sukriti Ranjan Saha, Sanjukta Mandal Nurnihar Begam, Partha Pratim Sarkar. Frequency selective surface (FSS): Design for compactness and dual band by cutting the symmetric slit within kite shaped patch. Security Aspects in Modern, Communication System. NSSAMCS 2013. March 5-6, 2013. Pp -106-109
- 951. S.Mandal,G.Sen,M.Kahar,S.Mahato, D.Sarkar,P.P.Sarkar. Studies on Compact multiband frequency selective surface(FSS) by cutting a T shaped slot within a novel shaped patch. International Conference on Electronic Communication & Instrumentation,e-manthan 12 in Jhansi, UP, held on 6-7 April 2012 at SR group of Institution. Pp-303-304
- 952. T.Mandal,S.Mahato,M.Kahar,S.Majumda,D.Sarkar,P.P.Sarkar. Studies on Compactness and multiple frequencies of frequency selective surface (FSS) by cutting a unique slot within rectangular patch. International Conference on Electronic Communication & Instrumentation,e-manthan 12 in Jhansi,UP,held on 6-7April 2012 at SR group of Institution. Pp-305-306

- 953. S.Sing,S.Mandal, G.Sen,T.Mandal, D.Sarkar,P.P.Sarkar. Size reduction,Bandwidth enhancement and multifrequency operation achieved in a single FSS structure. International Conference on Electronic Communication & Instrumentation,e-manthan 12 in Jhansi,UP,held on 6-7April 2012 at SR group of Institution. Pp-287-288
- 954. S.Majumdar, S.Nandi,T.Mandal,G.Sen D.Sarkar, P.P.Sarkar. Hexa-Frequency Single-feed Compact Microstrip Antenna with Novel Slits. International Conference on Current Trends in Engineering and Management.(ICCTEM) 12-14 July 2012,Mysore, Karnatak, India. Pp- 422-425
- 955. T. Mandal, P P Sarkar. Studies on Compactness and wideband of frequency selective surface (FSS) by cutting slot within Rectangular Patch. International Conference on Current Trends in Engineering and Management.(ICCTEM) 12-14 July 2012,Mysore, Karnatak, India. PP – 443-444
- 956. S.Mahato, G.Sen, T.Mandal, S.Mandal, P.P.Sarkar. A Compact Multiband Frequency Selective Surface. International Conference on Communications & Electronics, ICCE-2012, KIET Group of Institution, 19th -20th October-2012. Pp- 224-226
- 957. Shuvodip Majumdar, Sourav Nandi, Sushanta Mahato, Surajit Mondal, D.C. Sarkar, P.P. Sarkar. A Theoretical Investigation on the Compactness and Bandwidth Enhancement of a Microstrip Antenna. International Conference on Communications & Electronics, ICCE-2012, KIET Group of Institution, 19th -20th October-2012. Pp- 319-320
- 958. S. Mondal, M. Kahar, G.Sen, S.Mahato, P.P.Sarkar. Studies on Compact-Multiband Frequency Selective Surface (FSS) by Cutting a Triangle Shaped Slot within Novel Shaped Patch. International Conference on Communications & Electronics, ICCE-2012, KIET Group of Institution, 19th -20th October-2012. Pp- 324-325
- 959. Surajit Mondal, Sourav Nandi, Tanumay Mandal, Shwetanki Sing, Partha Pratim Sarkar. Studies on Compact, Multiple Resonant Frequency Selective Surface (FSS) by Cutting Different Novel Shaped Slits Within Rectangular Shaped Patch. 5th International Conference on Computers and Devices for Communication(CODEC), Dec-2012. Pp – 1-4
- 960. S.Nandi, S. Mandal, S.Majumdar, P.P.Sarkar. Design of Compact Broadband Self- Similar Fractal Frequency Selective Surfaces. International Conference on Computation and Communication Advancement (IC3A) 2013. Pp – 288-290
- S.Majumdar, S.Nandi, S. Mandal, S.Sing, P.P.Sarkar. Theoretical Investigation on a Microstrip Antenna Providing Coppactness and Multiple Operating Frequencies. International Conference on Computation and Communication Advancement (IC3A) 2013. Pp -284-287
- 962. S.Mondal, G.Sen, T. Mandal, S.Nandi, P.P.Sarkar. A Novel Compact- Multiband Frequency Selective Surface. International Conference on Computation and Communication Advancement (IC3A) 2013. Pp – 278-280
- 963. S.Mahato, G.Sen, T. Mandal, S.Majumdar, P.P.Sarkar. Design of a Compact Tri-Band Microstrip Antenna. International Conference on Computation and Communication Advancement (IC3A) 2013. Pp 275-276
- 964. T. Mandal, S.Majumdar, G.Sen, S.Mahato, P.P.Sarkar. Analysis of a Novel Shaped Compact Microstrip Antenna for Ultra Wide Band Applicatin. International Conference on Computation and Communication Advancement (IC3A) 2013. Pp – 271-274
- 965. S.Sarkar, R.P.Ghosh, S.Biswas, D.Sarkar, P.P.Sarkar. Tuning of Rectangular Microstrip Patch Antenna by Varying the Length of the SAlot Loaded in the Ground plane. International Journal of Electronics & Communication Technology (IJECT), Vol.4 Issue 1, January-March 2013. SSN:2230-7109. Pp -216-218
- 966. S.De, P.Samaddar, S.Sarkar, S.Biswas D.Sarkar P.P.Sarkar. Compact High Gain Multifrequency Microstrip Antenna. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307, Volume-2, Issue-6, January 2013. PP- 337-339

2015

2015

- 967. P. Samaddar, S. De, S. Sarkar, S. Biswas, .C. Sarkar, P.P. Sarkar. Study on dual wide band frequency selective surface for different incident angles. International Journal of Soft Computing and Engineering (IJSCE)ISSN: 2231-2307, Volume-2, Issue-6, January 2013. PP-340-342
- 968. A Nag, DC Sarkar, S Biswas, P P Sakar. Distortion free secret image sharing based on base 4 operation . Computer science and research Journal, Vol 8, 2011-2012. Pp 28-31
- 969. S.Sarkar, S.De, S.Biswas, D.Sarkar, P.P.Sarkar. A Tunable Microstrip Antenna design with multifaceted ability: Compactness, wideband, and Multi-frequency Operation. SciVerse ScienceDirect, ELSEVIER, Procedia Technology 4 (2012). Pp- 69-73
- 970. P.Pradhan, S.Biswas, D.Sarkar, P.P.Sarkar. Soft Computing Tool to Establish a Relation between Slot Length of A Microstrip Antenna and Resonant Frequency. International Journal of Computer Science And Technology (IJCST), Vol.3 Issue 2, April-June 2012. ISSN: 2229-4333. Pp-386-388
- 971. P. Samaddar, S. Sarkar, S. Biswas, P. P. Sarkar, D. Sarkar. A Novel Penta-Band Frequency Selective Surface. IJECT Vol. 3, Issue 2, April - June 2012, ISSN : 2230-7109 (Online) | ISSN : 2230-9543 (Print). pp- 79-81
- 972. A.Ray, M.Kahar, S.Sarkar, S.Biswas, D.Sarkar, P.P.Sarkar, A Novel Broad and Multiband Frequency Selective Surface. MOTL/Vol.54, No.6, June 2012. Pp-1353-1355
- 973. P. Samaddar, R Roy, P.Pradhan, S.Biswas, D.C.Sarkar, P.P.Sarkar. A Compact Dual-Band FSS comprising of Array of Square Patch with Rectangular Slits. International Journal of Frontier Computing (IJFC), Vol.1, No. 1, 2012. Pp-49-53
- 974. De, P. Samaddar, S.Sarkar, S. Biswas, D. Sarkar, P.P.Sarar. Compact Multi-frequency Micro strip Antenna. 2nd national conference on Advanced Communication Systems and Design Techniques (NCACD), 29-30th September, 2012. PP- 34-36
- 975. S.Singh, P.P.Sarkar, D.Sarkar, S.Bhunia, S.Biswas. Design of a Miniaturized Dual Wide Band Frequency Selective Structure. 2nd national conference on Advanced Communication Systems and Design Techniques (NCACD), 29-30th September, 2012. PP- 25-27
- 976. P. Samaddar, S. De, S. Sarkar, S. Biswas, D.C.Sarkar, P.P.Sarkar. Polarization Independent Tripal-Band Single Layer Frequency Selective Surface. International Conference on Computing, Communication and Sensor Network (CCSN), 22nd – 23rd 2012, ISBN 81-85824-46-0. PP- 53- 55
- 977. A comparative Study of Different Techniques for Prime Testing in Implementation of RSA", Banerjee, K., Mandal, S. N. and Das, S., IEM Int. J. Management & Technology, Vol 2, No. 2, Aug. 2012, pp. 42-47, ISSN: 2296-6611.
- 978. P.Pradhan, D.Sarkar, P.P.Sarkar. Development of a Relation between Slot Lengths of Microstrip Antenna and Its Resonant Frequencies Using Soft Computing Tool. International Journal of Computer Science & Communication Networkss, Vol 2 (2), May, 2012, ISSN: 2249-5789. Pp-160-162
- 979. P.Samaddar, R Roy, P.Pradhan, D.C.Sarkar, P.P.Sarkar. A Compact Dual-Band FSS comprising of Array of Square Patch with Rectangular Slits. International Journal of Frontier Computing (IJFC), Vol.1, No. 1, 2012. Pp-49-53
- 980. A.Ray, M.Kahar,S.Sarkar S.Biswas, D.Sarkar, P.P.Sarkar, A Novel Broad and Multiband Frequency Selective Surface, MOTL/Vol.54, No.6,June 2012. Pp-1353-1355
- 981. P.Samaddar, S.Sarkar,S.Biswas, D.C.Sarkar, P.P.Sarkar. A Novel Penta-band Frequency Selective Surface. International Journal of Electronics & Communication Technology (IJECT), Vol.3 Issue 2, April-June 2012. ISSN:2230-7109. Pp-79-81
- 982. P.Pradhan, S.Biswas D.Sarkar, P.P.Sarkar. Soft Computing Tool to Establish a Relation between Slot Length of A Microstrip Antenna and Resonant Frequency. International Journal

of Computer Science And Technology (IJCST), Vol.3 Issue 2, April-June 2012. ISSN:2229-4333. Pp-386-388

- 983. A.Chaterjee, D.Sarkar, P.P.Sarkar, Theoretical and Experimental Investigation on a Polarization Independent Compact Multiband Frequency Selective Surface. International Journal of Electronics & Communication Technology (IJECT), Vol.3 Issue 2, April-June 2012. ISSN:2230-7109. Pp-156-159
- 984. S.Sarkar, S.De, S.Biswas, D.Sarkar, P.P.Sarkar. A Tunable Microstrip Antenna design with multifaceted ability: Compactness, wideband, and Multi-frequency Operation. SciVerse ScienceDirect, ELSEVIER, Procedia Technology 4 (2012). Pp- 69-73
- 985. A.Ray, M.Kahar,S.Biswas, D.Sarkar, P.P.Sarkar. A Dual Tuned Complementary Structure Frequency Selective Surface for WLAN Applications. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, Vol.11, No. 1, June 2012. Pp -144-153
- 986. S.Chatterjee, P.P.Sarkar, D.Sarkar, S.K.Chowdhury. Compact Microstrip Antenna for WLAN and H-LAN Communication. International Journal of Soft Computing and Engineering (IJSCE), Vol.2 Issue 3, July. 2012. ISSN:2231-2307. Pp-270-274
- 987. S.De, S.Sarkar, P Samaddar, S.Biswas,D.Sarkar, P.P.Sarkar. Size Reduction of a Microstrip Antenna by Modifying the Ground Plane Using Cross Slot. International Journal of Electronics & Communication Technology (IJECT), Vol.3 Issue 2, April-June 2012. ISSN:2230-7109. Pp-40-42
- 988. S. Chatterjee, S. K. Chowdhury, D. C. Sarkar, P. P. Sarkar. Design of Compact Microstrip Antenna for S-Band Microwave Communication. International Journal of Computer Applications (0975 – 8887) 2012. pp- 13-17
- A.Chatterjee, D.Sharma, D.C. Sarkar, P.P. Sarkar Theoretical and Experimental Investigation on A Slot Loaded Compact-Multiband Frequency Selective Surface. International Journal of Computer Applications (0975 – 8887),2012. Pp- 16-18
- 990. S. De, S. Sarkar, S. Biswas, D. Sarkar , P.P. Sarkar. Investigation on a Broadband Microstrip Two Element Monopole Antenna with High Gain. IETEJR_356_12. 1st December 2012, Accepted.
- 991. S. Chatterjee, K.Ghosh, J. paul, S.K.Chowdhury, P.P.Sarkar, D.C. Sarkar. Compact Microstrip Antenna for mobile communication. MOTL, 17th December, 2012. Accepted
- 992. S. Singh, P.P. Sarkar, D. Sarkar, S. Bhunia, S. Biswas. Design of a Miniaturized Dual Wide Band Frequency Selective Structure. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307, Pp – 347-349
- 993. S.De, P.Samaddar, S.Sarkar, S.Biswas, D.Sarkar, P.P.Sarkar. Compact High Gain Multirequency Microstrip Antenna. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307, Pp-337-339
- 994. P.Samaddar, S. De, S. Sarkar, S. Biswas, D.C.Sarkar, P.P. Sarkar. Study on dual wide band frequency selective surface for different incident angles. International Journal of Soft Computing and Engineering (IJSCE). ISSN: 2231-2307, Pp- 340-342.
- 995. S.Sarkar, R.P.Ghosh, S.Biswas, D.Sarkar, P.P.Sarkar. Tuning of Rectangular Microstrip Patch Antenna by Varying the Length of the SAlot Loaded in the Ground plane. International Journal of Electronics & Communication Technology (IJECT), Vol.4 Issue 1, January-March 2013. ISSN: 2230-7109. Pp -216-218
- 996. S. Chatterjee, S. K.Chowdhury, P. P. Sarkar, D. C. (Sarkar), Comparison Between Two CPW-FED UWB Antennas Based. on Dielectric Constant of Substrate. International Journal of

- 997. S.Chatterjee, SKChowdhuri, P.P.Sarkar, D.C.Sarkar. Compact Microstrip Antenna for C-band Microwave Communication. National Conference on Control, Communication & Device Electronics (N3CD), 26th July, 2013. Pp-99-104
- 998. P. Samaddar, S. De, S. Sarkar, D.C. Sarkar, P.P.Sarkar. Design of a Single Layer Frequency Selective Surface with Dual Wide Band. 2nd national conference on Advanced Communication Systems and Design Techniques (NCACD), 29-30th September, 2012. PP-37-39
- 999. S.Singh, P.P.Sarkar, D.Sarkar, S.Bhunia, S.Biswas. Design of a Miniaturized Dual Wide Band Frequency Selective Structure. 2nd national conference on Advanced. Communication Systems and Design Techniques (NCACD), 29-30th September, 2012. PP- 25-27
- 1000. S.Majumdar, G. Sen, S. Nandi, D.C.Sarkar, T. Mandal, P P Sarkar. Hexa-Frequency Single-feed Compact Microstrip Antenna with Novel Slits. International Conference on Current Trends in Engineering and Management, (ICCTEM 2012), 12-13 July, 2012. PP- 422-425
- 1001. S. Majumdar, S. Nandi, S. Mahato, S. Mondal, D. C. Sarkar, P. P. Sarkar. A Theoretical Investigation on the Compactness and Bandwidth Enhancement of a Microstrip Antenna. International Conference on Communication & Electronics (ICCE), 19th- 20th October, 2012, ISBN 978-93-81583-69-2. PP - 319-320
- 1002. P. Samaddar, S. De, S. Sarkar, S. Biswas, D.C.Sarkar, P.P.Sarkar. Polarization Independent Tripal-Band Single Layer Frequency Selective Surface. International Conference on Computing, Communication and Sensor Network (CCSN), 22nd – 23rd 2012, ISBN 81-85824-46-0. PP- 53- 55
- 1003. Ghoshal N. Goswami A., Pal D., "Twin Image Authentication by Distributed Data Hiding (TIADDH)", International Journal of Advanced Research in Computer Science, ISSN 0976-5697, Vol. 3, No. 7, pp. 233 – 239, 2012.
- 1004. Ghoshal N., Chowdhury S., Mandal J. K., "Z Transform based Digital Image Authentication using quantization Index Modulation (Z-DIAQIM)", Springer International Conference on Communications Security & Information Assurance, CSIA- 2012, Print ISBN: 978-3-642-30110-0, On Line ISBN: 978-3-642-30111-7, Vol. 167, Delhi, May 25th – 27th, pp. 745-752, 2012.
- 1005. Ghoshal N., Goswami A., Pal D., Mandal J. K., "Image Authentication Technique based on DCT (IATDCT)", Springer International Conference on Communications Security & Information Assurance, CSIA- 2012, Print ISBN: 978-3-642-30110-0, On Line ISBN: 978-3-642-30111-7, Vol. 167, Delhi, May 25th – 27th, pp. 863-871, 2012.
- 1006. Ghoshal N., Goswami A., Pal D., "Authentication Technique for Gray Images Using DCT (ATGIDCT)", IEEE 3rd International Conference on Emerging Applications of Information Technology, EAIT 2012, ISBN: 978-3-4673-1827-3/12, Kolkata, November 30th – December 1st, pp. 421-424, 2012.
- 1007. Ghoshal N., Mukherjee R., "Steganography Based Visual Cryptography (SBVC)", Springer International Conference on Frontiers of Intelligent Computing Theory and applications, FICTA 2012, Print ISBN: 978-3-642-35313-0, On Line ISBN: 978-3-642-35314-7, Vol. 199, Bhubaneswar, December 22nd – 23rd, pp. 559-566, 2012.
- 1008. Ghoshal N., Goswami A., Pal D., "Lossless Audio Steganography in Spatial Domain (LASSD)", Springer International Conference on Frontiers of Intelligent Computing Theory and applications, FICTA 2012, Print ISBN: 978-3-642-35313-0, On Line ISBN: 978-3-642-35314-7, Vol. 199, Bhubaneswar, December 22nd – 23rd, pp. 575-582, 2012.
- 1009. Ghoshal N., Goswami A., Lallie H. S. "Adaptive Steganography for Image Authentication Based on Chromatic Property (ASIACP)", Springer International Conference on Frontiers of

Intelligent Computing Theory and applications, FICTA 2012, Print ISBN: 978-3-642-35313-0, On Line ISBN: 978-3-642-35314-7, Vol. 199, Bhubaneswar, December 22nd – 23rd, pp. 631-638, 2012.

- 1010. Ghoshal N., Chowdhury S., Nag D., Sadhu K., "Encryption Based Image Authentication Technique Using Random Circular Insertion and Adjustment (EIATRCIA)", Springer International Conference on Frontiers of Intelligent Computing Theory and applications, FICTA 2012, Print ISBN: 978-3-642-35313-0, On Line ISBN: 978-3-642-35314-7, Vol. 199, Bhubaneswar, December 22nd – 23rd, pp. 667-674, 2012.
- 1011. Ghoshal N., Goswami A., Pal D., "DCT Based Image Authentication with Partial Noise Reduction (DCTIAPNR)", Springer International Conference on Frontiers of Intelligent Computing Theory and applications, FICTA 2012, Print ISBN: 978-3-642-35313-0, On Line ISBN: 978-3-642-35314-7, Vol. 199, Bhubaneswar, December 22nd – 23rd, pp. 621-629, 2012.
- 1012. Ghoshal N., Mukherjee R., "Two Stage Color Image Steganography Using DCT (TSCIS-DCT)", Springer International Conference on Frontiers of Intelligent Computing Theory and applications, FICTA 2012, Print ISBN: 978-3-642-35313-0, On Line ISBN: 978-3-642-35314-7, Vol. 199, Bhubaneswar, December 22nd – 23rd, pp. 755-763, 2012
- 1013. "An Application of Graph Theory towards Portfolio Judgment."International Conference on Emerging Trends in Science, Engineering and Technology during Dec 13- 14, 2012

DEPARTMENT OF ECOLOGICAL ENGINEERING AND ENVIRONMENTAL MANAGEMENT

- 1014. Biswas S. K., J.K. Biswas. 2013. Breastfeeding and Baby Food (Stanyapan o Shishur Aahar) (in Bengali).
- 1015. J.K. Biswas. 2012. Prakriti o Paribesh: Rabindranather Bhashay o Bhabnay In: Goswami (ed.) Rabindranath: Ruyechho Nayane
- 1016. Rana, S., Bag S. K. and J. K. Biswas. 2013. Seasonal distribution of cadmium among components of sewage treatment ponds An eco-tech for heavy metal remediation. International Journal of Environmental Science and Technology 10: 1103-1114 (Springer; ISSN: 1735-1472; Impact Factor: 3.157)
- 1017. Biswas, J.K. 2012. Anatomy of consumerism as the cardinal cause of current chronic environmental crisis. Academic Spectrum 3(4): 1- 10. (ISSN: 0976-9323)
- 1018. J.K. Biswas. 2012. Warming-induced marine ecological meltdown: The Warning Fingerprints of global climate change. Proceedings of National Seminar on Climate Change and its Impact on Common People; pp 13-15.
- 1019. J.K. Biswas. 2013. Global warming induced ecological meltdown Life on the edge. Proceedings of the State Level Seminar on Literature and Environment organized by Centre for Development Studies and Research.
- 1020. ."Neural Network Technique for Prediction of Time Series." International Conference on Instrumentation Communication, Control and Automation (ICICCA) during Feb 17, 2013.
- 1021. Applying ecosystem principles in business practices: Learning lessons from Nature. In: National Seminar on Advancement in Management and Related Issues organized by Department of Business Administration, University of Kalyani during 22.11. 2012 – 23.11.2012 Patra, S., Das, T.K., Avila, C., Cabello, V., Castillo, F., Sarkar (Paria), D., Lahiri (Ganguly), S. and Jana, B.B. (2012). Cadmium tolerance and antibiotic resistance in Escherichia coli isolated from wastewater stabilization ponds.Indian Journal of Experimental Biology 50: 300-307 Impact Factor : 1.295

- 1022. Ujjal Marjit, Kumar Sharma, Utpal Biswas "Provenance Representations and Storage Techniques in Linked Data: A State-of-the-art Survey" International Journal of Computer Applications (0975-8887), Volume-38 No-9, pp 23-28, January, 2012, ISSN Number- 978-93-80866-17-3.
- 1023. Arup Sarkar, Ujjal Marjit and Utpal Biswas, "FOAF Profile Generation with Automated Connection Exploration to Other's Profile", (2012), International Journal of Research in Engineering, IT and Social Sciences, Vol. 2, Issue 11, pp. 197-206, November, 2012, ISSN: 2250-0588.
- 1024. Ujjal Marjit, Kumar Sharma, Utpal Biswas "Discovering Resume Information using Linked Data" Vol-3, No-2, pp.51-61, International Journal of Web and Semantic Technology, April-2012, AIRCC, ISSN Number-0975-9026 (On- line) 0976-2280 (Print).
- 1025. Arup Sarkar, Ujjal Marjit and Utpal Biswas, "Automatic Link Generation for the RDF Dump file: A Minimalistic Approach", Proceedings of InconINDIA-2012, AISC 132 pp. 731-738, Springer-Verleg, Heidelberg, Vishakhapatnam, India, Print ISBN: 978-3-642-27442-8, Online ISBN: 978-3-642-27443-5, Series ISSN: 1867-5662.
- 1026. Ujjal Marjit, Monalisa Mandal "Multi-Objective Particle Swarm Optimization based Ontology Alignment ,In Proceedings of second IEEE PDGC-2012 pp.368-373, December 04th -06th, 2012, India IEEE Explore, ISBN: 978-1-4244-7672-2. (Paper Presented)
- 1027. Ujjal Marjit, Subha Koley "Semantic Tagging in Content Management System through Opencalais" In Proceedings of International Conference on Creating Wisdom and Knowledge through Shared Learning: Role of Librarians and Information Managers, pp. October 11-13, 2012, IIM, Indore, India, ISBN: 978-93-80574-40-0.
- 1028. Ujjal Marjit, Arup Sarkar and Utpal Biswas "A Novel Approach to Develop Linked Data with Provenance" In Proceedings of International Conference on Computing, Communication and Applications (ICCCA), 2012, pp.1-5, IEEE Explore, Print ISBN- 978-1-4673-0270-8. (Paper Presented)
- 1029. Ujjal Marjit, Subhojit Koley "Designing and Developing Bengali Content Management System through Drupal "pp 507-510 In Proceedings of ICCDDE-12, Chennai, TamilNadu, 29-30, June, 2012, ISBN -9789381-81992-28-9, India. (Paper Presented)
- 1030. Ujjal Marjit, Arup Sarkar, Utpal Biswas "Linked Data Generation Framework and its Application "In Proceedings of NCIIT-12, Sathyamangalam, TamilNadu, 24-25, February, 2012.(Paper Presented)
- 1031. Ujjal Marjit, Kumar Sharma, Utpal Biswas "Discerning Information in Domain of Resume: A linked Data Based Approach, pp 105-110, "Jaya Engineering College ICCCIT-12, Chennai, Tamilnadu, 27-29, June, 2012, ISBN- 9789382338024. (Paper Presented)
- 1032. Sibsankar Jana, Ujjal Marjit, Reshmi Sarkar "Managing Optical Discs in Today's Hybrid Library: An Overview" In Proceedings of ICCDDE-12, Madras University, Chennai, Tamilnadu pp. 529-33, June 29-30, 2012, India, ISBN-9789381-81992-28-9.

Publications of year 2013-2014

DEPARTMENT OF COMMERCE

- 1. Sarkar, S.C (December 2013). Financial Performance Analysis: A Comparative Study on Selected Cement Companies in India, Business Perspectives (ISSN: 0975-0746), 3, 36-44.
- 2. NPA Management of District Central Co-operative Banks: A Study in Hoogly District in West Bengal, presented in National Seminar on Contemporary Issues in Accounting and Finance,

- 3. Sinha, S., Samanta, P.K., 2014. Non–linearity in the determinants of capital structure: Evidence from Selected Indian pharmaceutical companies. IEEE Xplore (ISBN: 978-1-4799-3263-4@IEEE).
- 4. 'Reverse Weekend Effect: New face of anomaly?' in the National Seminar on Contemporary Issues in Accounting and Finance on March 27 & 28, 2014.
- 5. 'Capital Structure Determinants: An Empirical Analysis of Selected Indian Pharmaceutical Companies' in the National Seminar on Contemporary Issues in Accounting and Finance on March 27 & 28,2014.
- 6. 'Non-linear Effects in the Firm-specific Determinants of Corporate Capital Structure: Evidence from Selected Indian Cement Companies' in the International Conference on 'Contemporary Issues in Financial Institutions and Markets' on 19th and 20th December, 2013.
- 'Non-linearity in the determinants of capital structure: Evidence from Selected Indian Pharmaceutical Companies' in the "2nd International Conference on Business & Information Management" during January 9-11, 2014.
- Sarkar, Sudipta, Mandal, Biswambhar, Electronic Financial Reports using XBRL: The Indian Context, in a Book ' Contemporary Technological, Social and Management Issues – Theoretical and Conceptual Perspectives', edited by Debdas Ganguly, Haldia Institute of Technology, Haldia, West Bengal, 2013, ISBN: 978-81-925299-2-9, p. 132-137.
- 9. Mandal, Biswambhar, Sarkar, Sudipta, '*Microinsurance in India: A Brief Overview*', in a Book 'Insurance & Social Security', edited by Dr. Jaydeb Bera, acb publications, Kolkata, 2013, ISBN 81-87500-69-7, p. 39-42.
- Biswas, Anadi, Mandal, Biswambhar, Basic Challenges to Gram Panchayat in West Bengal: A Case Study of Nadia District, in a Book 'Decentalized Development and Rural Governance in India: Challenges and Opportunities' edited by Rajib Sen, Union Christian Training College, Berhampore, Murshidabad, Dec. 2013, ISBN 978-81-926963-1-7, p. 68-80.
- 11. Mandal, Biswambhar, '*RTE Act 2009: An Appraisal*', in a book 'Right to Education Policy Perspective & Development', edited by Ajit Mandal & Dr. Jayanta Mete, APH Publishing Corporations, New Delhi, 2014, ISBN 978-93-313-2281-4, p. 192-198.
- 12. Mandal, Biswambhar, ¢àS³/4cÊm_im l_iul h_ihe_iu L«¢o J L«oLl S£he (Dwijendralal Roy er Bhabnai krishi o krishaker jiban), Amiarani, April, 2013, ISSN 2277-8780, p. 110-114.
- 13. Mandal, Biswambhar, *Retail Business in India- Some Issues*, Edulight, Vol. 2, Issue 3, May, 2013, ISSN 2278-9545, p.9-13.
- Mandal Biswambhar, Ec_ile£¢a J i_ilal EµQ¢nr_i (Udarniti o Bharater Uccasiksha), Dashadishi (ISSN: 2320-3153), Vol.2, Issue 1, April 2013- Sept. 2013, p. 180-190.
- 15. Mandal, Biswambhar, *ijlal EµQ¢nrju EvLoÑaj (Bharater Uccasikshai Utkarshota)*, Amiarani, October, 2013, ISSN 2277-8780, p. 122-124.
- 16. Mandal, Biswambhar, '*The Journey to Privatization of Higher Education in India*', Edulight, Vol. 2, Issue 4, November, 2013, ISSN 2278-9545, p. 53-58.
- 17. Mandal Biswambhar, *Right to Education Act: Perspective & Challenges*, Business Perspective ((ISSN: 0975-0746)), Journal of the Dept. of Commerce, University of Kalyani, Vol.3, Dec. 2013, p. 77-84.
- 18. Mandal, Biswambhar, *Indian Higher Education: In the Wake of Globalization*, Business Perspective ((ISSN: 0975-0746)), Journal of the Dept. of Commerce, University of Kalyani, Vol. 4, Dec. 2013, p. 115-121.

- Mandal, Biswambhar & Paul, Uttam, Arthanaitik Bhabnai Vivekananda, National Seminar on 'Vivekananda on the 150th Birth Anniversary' organized by Sreegopal Banerjee College, Hooghly, November, 19-20, 2013.
- 20. Mandal, Biswambhar, Mandal, Debmalya, *Global Warming and it's impact on Environment*, National Seminar on 'Global Warming and its Social & Economic Effects', organized by Dept. of Commerce, Tarakeswar Degree College, Hooghly, Dec. 2-3, 2013.
- 21. Biswas, Anadi, Mandal, Biswambhar, *Basic Challenges to Gram Panchayat in West Bengal: A Case Study*, National seminar on 'Decentalized Development and Rural Governance in India: Challenges and Oportunities', organized by Union Christian Training College, Berhampore, Murshidabad, West Bengal, December 6-7, 2013.
- Mandal, Biswambhar, *Microinsurance in India A Review*, National Seminar on 'Financial Market & Financial Literacy', organized by P.K. Roy Memorial College, Dhanbad, Dec. 20-21, 2013
- 23. Mandal, Biswambhar, *Global Financial Crisis and Indian Higher Education*, National seminar jointly organized by Dept. of Economics, Lady Brabourne College, Kolkata and Bengal Economic Association, Feb. 22-23, 2014.
- 24. Banerjee, Debasish, Mandal, Biswambhar, *Analysis of Finances of Municipality in West Bengal: A Cross-Sectional Study*, National seminar on 'Contemporary Issues in Accounting and Finance' organised by Dept. of Commerce, University of Kalyani, March 27-28, 2014.
- 25. De Biswajit, Mandal, Biswambhar, *The Banking Laws (Amendment) Act, 2012 and the Changes in relation to the regulatory power of the Reserve Bank of India: A Review,* National seminar on 'Contemporary Issues in Accounting and Finance', organised by Dept. of Commerce, University of Kalyani, March 27-28, 2014.
- 26. Mandal, Biswambhar, *Ethical and Regulatory Issues in Accounting*, International Seminar on 'Accounting Education and Research', jointly organized by Indian Accounting Association & Dept. of Commerce & Management Studies, Andhra University, Visakhapatnam, January 11-12, 2014.
- 27. 2. Banerjee, Debasish, Mandal, Biswambhar, Management Efficiency Scores of Urban Local Governments in India: A Case Study of Municipalities in West Bengal, International Finance Conference on 'Current Issues in Finance in Developing Nations', organized by Dept. of Business Management, University of Calcutta & Indian Accounting Association-Kolkata Branch, January 18, 2014.
- 28. Bhunia, A and Saha, P (December 2013). Growth Performance-A Comparative Study between SBI and ICICI Bank, Business Perspectives (ISSN: 0975-0746), 3, 66-76.
- 29. Bhunia, A (December 2013). Importance of Liquidity Management on Profitability, Business Perspectives (ISSN: 0975-0746), 4, 43-53.
- Bhunia, A and Deyasi, J (March 2014). Cointegration Relationship between Gold Prices and Exchange Rates-An Evidence of India, Applied Economics and Business Review, 1(2), 47-52. [available at <u>http://www.sciknowjournals.org/aebr/]</u>
- Bhunia, A (July 2013). Relationships between Commodity Market Indicators and Stock Market Index-An Evidence of India, Academy of Contemporary Research Journal (ISSN: 2305-865X), VII (III), 126-130. [available at <u>http://acorj.org/archive/]</u>
- Pakira, S.K and Bhunia, A (June 2013). Accounting and Reporting Practices of NGOs-A Case Study, Universal Journal of Marketing and Business Research (ISSN: 2315-5000), 2(3), 76-88. [available online <u>http://universalresearchjournals.org/ujmbr]</u>
- Bhunia, A and Mukhuti, S (May 2013). The Impact of Domestic Gold Price on Stock Price Indices, Universal Journal of Marketing and Business Research (ISSN: 2315-5000), 2(2), 35-43. [available online <u>http://universalresearchjournals.org/ujmbr]</u>

- 34. Mukhuti, S and Bhunia, A (August 2013). Is It True That Indian Gold Price Influenced by Indian Stock Market Reaction, E3 Journal of Business Management and Economics (ISSN: 2141-7482), 4(8), 181-186. [available online <u>http://www.e3journals.org]</u>
- 35. Bhunia, A and Das, S (March 2014). Liquidity Position of Private Sector Textile Companies in India, Scholars Journal of Economics, Business and Management (pISSN: 2348-8875 and eISSN: 2348-5302), 1(2), 57-63. [available online <u>http://saspjournals.com/sjebm]</u>
- 36. Bhunia, A and Pakira, S (February 2014). Investigating the Impact of Gold Price and Exchange Rates on Sensex: An Evidence of India, European Journal of Accounting, Finance & Business [ISSN: 2344-102X (online + print)], Vol. 2, Issue No. 1, pp. 1-11, February 2014 [available online at <u>http://www.accounting-management.ro]</u>.
- 37. The Influence of Commodity Indicators, GDP Growth Rate and Exchange Rates on Stock Market Index-An Evidence of India, presented in National Seminar on Contemporary Issues in Accounting and Finance, organized by Department of Commerce, University of Kalyani, India, held on March 27 & 28, 2014 in Kalyani, Nadia, India.
- 38. 2. Which Type of Banks is healthier? A Comparative Study between Public Sector and Private Sector Banks in India, presented in National Seminar on Contemporary Issues in Accounting and Finance, organized by Department of Commerce, University of Kalyani, India, held on March 27 & 28, 2014 in Kalyani, Nadia, India.
- 39. Investigating the Impact of Severe Cyclone Aila on the Crop Production System and the Relevance of Post-Disaster Management-A Study of Sundarban Area of West Bengal, presented in National Seminar on Contemporary Issues in Accounting and Finance, organized by Department of Commerce, University of Kalyani, India, held on March 27 & 28, 2014 in Kalyani, Nadia, India.
- 40. Relationship Between Working Capital Management and profitability-A Study of Selected Pharmaceutical Companies in India, presented in National Seminar on Contemporary Issues in Accounting and Finance, organized by Department of Commerce, University of Kalyani, India, held on March 27 & 28, 2014 in Kalyani, Nadia, India.
- 41. Relationship Between Economic Growth and Financial Development in India, presented in National Seminar on Contemporary Issues in Accounting and Finance, organized by Department of Commerce, University of Kalyani, India, held on March 27 & 28, 2014 in Kalyani, Nadia, India.
- 42. Relationship Between Economic Growth and Financial Development in India, presented in National Seminar on Contemporary Issues in Accounting and Finance, organized by Department of Commerce, University of Kalyani, India, held on March 27 & 28, 2014 in Kalyani, Nadia, India.
- 43. Impact of Gold Price and Exchange Rates on Sensex, presented UGC-Sponsored International Conference on Contemporary Issues in Financial Institutions and Markets, organized by Department of Commerce with Farm Management, Vidyasagar University, West Bengal in collaboration with Indian Council of Social Science Research, New Delhi, held on December 19 & 20, 2013 in Midnapore, India.
- 44. The Impact of Macroeconomic Variables on Share Price Indices in Promising Indian Stock Market, presented in UGC-Sponsored International Finance Conference 2014 on Current Issues in Finance in Developing Nations, organized by Department of Business Management, University of Calcutta in collaboration with Indian Accounting Association-Kolkata Branch, held on January 17 & 18, 2014 in Kolkata, India.
- 45. Investigating People's Role on Flood Management in WB A Case Study, presented in UGC-Sponsored International Seminar on Advancement of Management Thought and Practices, organised by Department of Business Administration, Vidyasagar University on February 10

& 11, 2014 in collaboration with EIILM, Kolkata and Bengal Chamber of Commerce & Industry in Medinipur, India.

- 46. Sinha, Abhijit & Gandhi, S.K. (Dec. 2013) 'Growth of The Life Insurance Industry after Sectoral Deregulation: An Analysis' in the Book "Contemporary Research in Emerging Insurance Market", Edited by A. Vinayagamoorthy & C. Sankar; Manglam Publisher & Distributor, New Delhi, ISBN: 978-81-89972-79-0
- 47. Gandhi, S.K., Bhattacharyya, Mahasweta, & Sinha, Abhijit (2013); *Liberalization of Insurance Sector in India and its Impact on the Industry* (in Bengali): Dashadishi, April to Sept. 2013, Kolkata, ISSN: 2320-3153
- 48. Information System Audit– An Empirical Study (B) Interpretation of Maladies in the Prospectus Issued at the Time of IPO: An Indian Perspective- International Finance Conference 2014, Kolkata
- Managing Agency System: The Genesis of the Era of Modern Business Finance in India [BIOINFO Business Economics, Special Issue, 2014] [ISSN: 2249-1775 (Print), E-ISSN: 2249-1783 (Online)] [Impact Factor Value (ICV): 6.88 (2012); 4.28 (2011)] (Accepted for publication) (SOLE AUTHOR)
- 50. Economic Facets of Digital Libraries: A Treatise
- 51. [Business Perspectives, Dept. of Commerce, University of Kalyani, Vol.4] [ISSN: 0975-0746] (SOLE AUTHOR)
- 52. Performance of Selected Sector-Specific Mutual Fund Schemes in India: A Study of the Banking (Jointly with Mitul Chakraborty) [Business Perspectives, Dept. of Commerce, University of Kalyani, Vol.4] [ISSN: 0975-0746]
- 53. An Analysis of the Development of Corporate Governance in India [*Business Perspectives*, Dept. of Commerce, University of Kalyani, Vol.3] [ISSN: 0975-0746] (SOLE AUTHOR)

Department of Economics

- 54. Datta, Nitish, Dynamic Evaluation of Indian Commercial Banking Sector: A Bank Level Growth Frontier Approach in Ibrahim H. Osman and Abdel Latef Anouze & Ali Emrouznejad(ed) Strategic Measurement and Management Performance using Data Envelopment Analysis: Theory and Applications, IGI Global. ISBN13: 9781466644748, ISBN10: 1466644745, EISBN13: 9781466644755.
- 55. Ram Pratap Sinha and Datta, Nitish, A Hybrid measure of technical efficiency: evidence from Indian life insurance industry in in Ibrahim H. Osman and Abdel Latef Anouze & Ali Emrouznejad(ed) Strategic Measurement and Management Performance using Data Envelopment Analysis: Theory and Applications, IGI Global. ISBN13: 9781466644748, ISBN10: 1466644745, EISBN13: 9781466644755.
- 56. Performance of Indian commercial banks in the liberalized regime: A bank level analysis in the conference organised by A N Sinha Institute of Social Studies, Patna and Indian Association of Social Science Institutions during 7-8 March 2014.
- 57. Presented a paper on "Impact of Socio Economic Status on Movement Education" at in the UGC Sponsored National Seminar on "Socio-- Economic and Socio Cultural Perspective of Physical Education" held on 10th and 11th May, 2013 at Department of Physical Education, Mugberia Ganga Dhar Mahavidyalaya, Purbo Medinipur, West Bengal.
- 58. Presented a Paper on "Swamiji's India & India's Swamiji: Re-reading Categories" in the UGC Sponsored State Level Seminar Organised by the Department of English and History, Sukanto Mahavidyalaya, Dhupguri, Jalpaiguri on the 7th of December,2013.

- 60. Non-Mainstream Dimensions of Global Political Economy: Finance and Labour Essays in Honour of Sunanda Sen (edited by Byasdeb Dasgupta), Routledge: London (May 2013) – ISBN – 978-0-415-53500-7
- 61. External Dimensions of An Emerging Economy: India Essays in Honour of Sunanda Sen (edited by Byasdeb Dasgupta), Routledge: London (June 2013): ISBN 978-0-415-535014
- 62. Financialization, labour market flexibility and global crisis: A Marxist Perspective" in Byasdeb Dasgupta (edited) *Non-Mainstream Dimensions of Global Political Economy Essays in Honour of Sunanda Sen*, Routledge: London; May 2013. ISBN 978-0-415-53500-7
- 63. "Some aspects of external dimensions of the Indian economy in the age of globalisation" in Byasdeb Dasgupta (edited) *External Dimensions of an Emerging Economy, India – Essays in Honour of Sunanda Sen*, Routledge: London; June 2013. ISBN – 978-0-415-53501-4
- 64. "When Our Lips Speak Genderlabour Together?" in Sunanda Sen and Anjan Chakrabarti (edited) *Development on Trials Shrinking Space for the Periphery*, Orient Blackswan, Delhi. (Jointly with Dr. Anup Kumar Dhar), December 2013. ISBN 978-81-250-5130-5
- 65. "Disinterring the Report of National Commission on Labour A Marxist Perspective" in Sunanda Sen and Anjan Chakrabarti (edited) *Development on Trials*, Orient Blackswan, Delhi. (jointly with Anjan Chakrabarti), December 2013. ISBN 978-81-250-5130-5
- 66. "Issues and Challenges of Democratizing the Largest Democracy of the World through the Lens of an Economist" in *Journal of (post)European Philosophy*, No. 4, 2/2013. (The particular issue of the journal was on *Deconstructing democracy*.) ISBN 978-88-57552-088-9.
- 67. Two Ph.D Scholars Dr. Anup Kumar Saha and Dr. Sreelata Biswas (an URS) were awarded Ph.D degree in November-December 2013
- 68. Two articles in Bengali Little Magazine *Ekak Matra* during 2013-14 and one article in Bengali Little Magazine *Dashadishi*
- 69. Awarded ICCSR-sponsored project on *Labour Security in Urban Informal Economy A Study* of West Bengal for the period 2012-14. The project will complete in July 31, 2014.
- 70. Awarded ICCSR-Sponsored project on Imperialism Old and New for the period 2012-14. Professor Sunanda Sen at MMAJ Academy of International Studies of Jamia Milia Islamia, Delhi is the Principal Investigator of the Project. I am one of the Project Directors of the Study on *Labour in the Context of Imperialism – Old and New* as part of the Project. The project will complete in Jlu 31, 2014.
- 71. Awarded a Sponsored Research Project on Class and Caste in India by ICSSR for the period 2014-16. Byasdeb Dasgupta is the Principal Coordinator of the project and the other two project directors are Professor Anjan Chakrabarti of Department of Economics of University of Calcutta and Dr. Anup Kumar Dhar of Ambedkar University, Delhi. The official commencement date of the project is 1st March 2014.
- 72. Visiting Fellow (DEA) under the Indo-French Bilateral Exchange Programme of Fonadation des Maison Sciences de l'Hommes, Paris during October-2013
- 73. Managing Editor of the Departmental Journal Kalyani University Journal of Economics (KUJE). The first issue of the Journal is published in May 2014. This is double blind peer-reviewed journal. We have been assigned the ISSN on 22nd April 2014 which is ISSN 919-2348-9219. Professor Bahnisikha Ghosh, who has retired from the Department, is the Chief Editor of the Journal. And the Editorial Board of the Journal consists of Professor Madhusudan Datta, Professor Sutanu Bhattacharya, Sri Supriyo Bhattachrya (as Head of the Department),

Dr. Archita Ghosh, Professor Bahnisikha Ghosh (Chief Editor) and Dr. Byasdeb Dasgupta (Managing Editor). The cost of printing the journal has been sponsored by the University of Kalyani as per the norm in this regard.

- 74. Bose, Tithi and Archita Ghosh (2013), "Performance of Panchayats in Executing Indira Awas Yojana in West Bengal" in Ghosh and Chattopadhyay (ed.), *Rural Development in India: Challenges and Prospects*, Serials Publications, New Delhi, ISBN: 978-81-8387-592-9.
- 75. 'Employment Guarantee and Natural Vulnerability: A Study of MGNREGA in Indian Sundarbans' (2013) in Sarmila Banerjee and Anjan Chakrabarty eds. Development and Sustainability: India in a Global Perspective, Springer India,ISBN 978-81-322-1123-5

DEPARTMENT OF ENGLISH

- "Macbeth in Nineteenth-Century Bengal: A Case of Conflicted Indigenization," Multicultural Shakespeare: Translation, Appropriation and Performance, 10 (2013): 6-18. Co-author Bhaskar Sengupta. ISSN (Print) 2083-8530. DOI: 10.2478/mstap-2013-0002. July 2013.
- 77. "Is this a Macbeth, which I see before me?' A Postcolonial Twenty-first Century Indigenisation of Macbeth." Adaptation Unbounded: New Directions, New Agendas. A RO-UK6 International Interdisciplinary Conference, Iasi 31 October-2 November 2013 Abstracts. Iasi: Alexandru Ioan Cuza University of Iasi & The National Authority for Scientific Research Romania, 2013. Pp. 29-30.
- "Natuke smriti" ["Dramatic Memories"]. Radix 2013. Department of English, University of Kalyani. 48 Annual Reunion 2013. Kalyani: Department of English, 2013. 1-4."A Queer Bibliography" in Gay Subcultures and Literatures Ed. Sukhbir Singh (Shimla: Indian Institute of Advanced Study, 2014) pp. 279-289.
- 79. "Corporal Punishment: English and Homosocial Tactility in Postcolonial Bengal" in *Masculinity and Its Challenges in India: Essays on Changing Perceptions* Ed. Rohit K Dasgupta and K. Moti Gokulsing (Jefferson, North Carolina and London: McFarland Press, 2014) pp. 165-173.
- 80. "'This is how we are': *Maryada* and the Representation of Homosexuality" in *Gay Subcultures and Literatures* Ed. Sukhbir Singh (Shimla: Indian Institute of Advanced Study, 2014) pp. 55-67.
- 81. Many Windows: The Construction of Meaning in *Rear Window* Critical Essays: Golden Jubilee Volume English Dept. University of Kalyani (978-81-901525-3-2)
- 82. Infidel Stars: The film Adaptations of Shakespeare in the System of Star Edulite (2278-9545)
- 83. Family, Feud and Genre: Bollywood Goes Shakespeare Litscape (0976-9064)
- 84. Resistance, Writings and Romance: *Charulata* Speaks: Dept. of English, Prabhat Kumar College, Contai (978-81-922110-6-0)
- 85. 'Dalit "Draupadi": Violation of Women and the Subversion of Epic Tradition', *Marginal Writings in English: Bengal and other Regional Literature*, Eds. J. Sarangi and C. Ghosal. New Delhi: Authorspress, 2013. ISBN-978-81-7273-717-7. pp. 69-80.
- "Indian English Texts in the Classroom: Pedagogical Issues and Suggestions", *Post-Colonial Pedagogical Issues: Strategies, Theories and Practices in English Language Teaching*, Eds. Binod Mishra and Prashant Mishra, New Delhi: Adhyayan Pub.2014. ISBN 978-81-8435-398-3. pp. 53-67.
- "Environment and Ecocentrism: Reading Ukrainian Folktales", English Literature: A Quest for Eco-Social Justice, Ed. T. Sai Chandra Mouli. New Delhi: Authorspress, 2014. ISBN -978-81-7273-718-4. pp. 134-149.

- 88. "Myth, Memory and Fictional Imagination: In Time of the Breaking of a Nation" in *Global Journal of English Language and Literature*, Volume-1, Issue-3. July 2013. ISSN 2320-4397.pp.2-12. Website: https://sites.google.com/site/globaljournalofell/
- "Language, Storytelling and Culture: Reading Narratology Anew" in *Impressions of Eternity:* Journal of Language and Literature Studies, Vol. 5-6 (Autumn 2012-Spring 2013). ISSN 2229-4813. pp. 26-42.
- 90. "The Bengal-Punjab Interface: Reading Short Fiction on Partition" in the Proceedings of the International Seminar on "Partition Literature: Memory and Inheritance of Self" organized by School of Humanities and Social Sciences, Netaji Subhas Open University on 8-10 February 2014. ISBN-978-93-82112-11-2. pp. 89-100.
- 91. European Literature (In Translation). Dibrugarh University. Dibrugarh. ISBN 9789325976641.
- 92. "Dostoevsky's Crime and Punishment" in Victorian, Post-Victorian and Continental Literature. Tripura University, Tripura, . ISBN:9789325976559
- 93. Remembering Vivekananda's Clarion Call to Indian Youth" in *Vivekananda Yuva Mahotsav:* Souvenir of the National Youth Festival 2013. Published by University of Kalyani. 2013.

DEPARTMENT OF FOLKLORE A L Y A N

- 94. Mandal, Sujay Kumar, "Functions of the Folk Drama in Indian Society: An Overview", Folklore and Folkloristics (Peer reviewed Online Journal), Vol.6, No.2, December, 2013, pp. 9-13. (NFSC Web Portal Publication/Website: http://www.indianfolklore.org/journals/index.php/ fofolk/article/view/1243/1434)
- 95. Mandal Sujay Kumar, "Traditional Storage Practices in West Bengal: An Overview", National Seminar on Folklore and Folkloristics: Investigation and Interaction, Organized by Muktachinta Sahitya Anushilan Kendra, Mekhliganj, Cooch Behar, West Bengal, October 24-26, 2013, pp. 22.
- 96. Mandal Sujay Kumar, "*Rabindranather Samabay Bhabna O Palliunnayan*", National Seminar on *Rabindranath: Pallisanjiban O Palli-punargathan*, Organized by Rabindra Study Centre in collaboration with Adult Education Department, University of Kalyani, Kalyani, West Bengal.
- 97. Article-'Rabindranath, Lokshilpa O Grammonnoyan; Swanijuktir naya disha', book-Rabindranath :Royecho nayane nayane; Editor-Banibrata Goswami, Publisher-Council for MS Academic, Kalyani, Nadia; May 2013. ISBN No. 978-81-921697-2-9
- 98. Article-'Ogo Karnadhar,tomare kari namaskar', book-Tomar Apan Alo; Editor-Pabitro Sarkar; Pub: Pustaka Bipani, Kolkata September 2013, ISBN No-978-93-82663-19-5
- 99. Gramin Samaje Prachalito Bristikendrik Biswas O Samskar' Journal-Nadiar Sambad (Puja Samkhya Special Issue) Editor-Pulak Basu; Nadia October,2013
- 100. Article 'Biluptir pathe Nadia Jelar Putul Naach 'Journal Bijoy Bithi, Vol-XI, Editor-Lalmohan Biswas; Gopal Nagar, No. 24 Parganas, January 2014.
- 101. Bangla Prabade O Chharai Koutuk-Ros O Samaj-Bhabna, Grantha Bikash, Kolkata, 2013 (ISBN: 978-98-83018-13-3).
- 102. Name of the Article: 'Bangla Chharay Hansya Ros'; Name of the book: Bangla Chhara Porikroma edited by Dr. Barun Kr. Chakraborty, Pustak Bipani, (ISBN- 978-93-82041-17-7)
- 103. "Bangla chharay aprakrit upadan"-Bangla chhara parikroma,Ed. by Dr. Barun Kumar Chakraborty,Pustak Bipani,ISBN-978-93-82041-17-7
- 104. Food Symbolism- marker of human culture', Loukik-ISSN-2230-780X

- 'Lokonattya-Lokomadhyam O Janosanjoger ak Guruttopurno Madhyam'- Edulight vol-2.Issue 3.May 2013,ISSN-2278-9545
- 106. 'Tusugaan: Ruhr Banger Narider Jibanbed' Edulight vol-2.Issue-4, Nov.2013.ISSN-2278-9545
- 107. 'Bangla probad-Samajik Dando O Protibad'- Parampara,2nd year,1st vol-Jan-March,2014,ISSN- 2330-6497

DEPARTMENT OF HISTORY

- History from Popular Science Literature in Dilip Coomer Ghose & Ranjit Sen edited The Dialectic of Perception: The Relation of History with Literature, Kolkata, March 2014, ISBN 978-93-82710-04-2.
- 109. Kolkatar Bangla Bijnan Patrikar Itihas 1982-2012 (Bangla Science Periodicals of Kolkata 1982-2012) in Itihas Anusandhan 28, Kolkata, January 2014. ISBN 978-81-910874-4-4.
- 110. Present History of Science Club Movement in Greater Kolkata in Chittabrata Palit and Arun Kumar edited Science and Environment, New Delhi, 2013. ISBN 9789350500644.
- 111. History of the Movement for the Donation of Posthumous Bodies in Inclusive, Vol. 1, Issue. 4, January 2014.ISSN 2278-9758.
- Changing Role of Science Clubs in Communicating Science in Global Media Journal Indian Edition, Theme: Science Communication, Sponsored by University of Calcutta, Summer Issue June 2013, Vol. 4, No.1. ISSN 2249-5835.
- 113. *Ganatantra O Nagarik Samaj* (Democracy & Civil Society) in the Proceedings Volume of the UGC-Sponsored National Seminar on Role of Civil Society in the Perspective of Growing Limitations of Democracy, Muralidhar Girls College, Kolkata, January 2014.
- 114. *Kedarnather 'Kashir Kinchit'* in Amarnath Bhattacharya edited *Purapathik*, Special Number on Kedarnath Bandyopadhyay on his 150th Year, Kamarhati Municipality, 2013.
- 115. Daktarder Udbhidcharcha in Kalantar Festival Number, 2013.
- 116. 5 (five) Entries in the *Dictionary of Historical Places Bengal* 1757-1947, ed. by Ranjan Chakraborty, New Delhi 2013. ISBN 978-93-80607-41-2.
- 117. Edited, Being in Bengal (Ed. jointly with Sankar Biswas), Progressive Publishers. Kolkata, 2013.
- 118. 'Writing History of Bengali Refugees', in Alok Kumar Ghosh and Sankar Kumar Biswas eds. *Being in Bengal, Progressive Publishers,* Kolkata, 2013.
- 119. Entries in the *Dictionary of Historical Places Bengal 1757-1947*, ed. by Ranjan Chakraborty, New Delhi 2013. ISBN 978-93-80607-41-2.
- 120. 'Exploring Little Tradition: A Quest for Folk Islam in Bengal', in One-Day National Seminar on Trends of Progressive Thought in Islam, organised by the Department of Islamic History and Culture, University of Calcutta, on 25th February, 2014.
- 121. Co- writer of the course Material entitled "Folk Theatre & Performance of North East India, IGNOU, 2013.
- 122. Co-writer of Lepcha Language in People's Linguistic Survey of India edited by J.Devy.

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

 Basics of Subject Indexing (BLIS – 03; Unit 9). Indira Gandhi National Open University, New Delhi, 2013. 31p.

- 124. Indexing Languages (BLIS 03; Unit 10). Indira Gandhi National Open University, New Delhi, 2013. 49p.
- 125. Indexing Techniques, (BLIS 03; Unit 10). Indira Gandhi National Open University, New Delhi, 2013. 78p.
- 126. Basics of Subject Indexing (BLIS 03; Unit 9). Indira Gandhi National Open University, New Delhi, 2013. 31p.
- 127. Indexing Languages (BLIS 03; Unit 10). Indira Gandhi National Open University, New Delhi, 2013. 49p.
- 128. Indexing Techniques, (BLIS 03; Unit 10). Indira Gandhi National Open University, New Delhi, 2013. 78p.
- 129. Note: These course materials published as books by IGNOU with ISBN and therefore also included in Sl. No. b) Articles in Books
- 130. Note: These course materials published/will be published as books by IGNOU with ISBN and therefore also included in Sl. No. b) Articles in Books
- Course of Action: Courseware on Library Information Technology, Prova Prakashani, Kolkata, December 2013 (ISBN: 9788192556178)
- 132. Course of Action: Courseware on Automated Library System, Prova Prakashani, Kolkata, March 2014 (in press)
- 133. Resource Description for Open Access Resources. *In* UNESCO courseware on Open Access for Librarians. (Module 4 Unit 1). CEMCA, New Delhi and UNESCO, Paris, March 2014
- 134. Interoperability Initiatives. *In* UNESCO courseware on Open Access for Librarians. (Module 4 Unit 2). CEMCA, New Delhi and UNESCO, Paris, March 2014
- 135. Retrieval of Open Access Resources. *In* UNESCO courseware on Open Access for Librarians. (Module 4 Unit 3). CEMCA, New Delhi and UNESCO, Paris, March 2014
- 136. Introduction to Library Automation. In BLIS (Course 9: ICT in Libraries; Block 1: Library Automation, Unit 1); IGNOU, New Delhi, March 2014
- 137. Library Automation Processes. In BLIS (Course 9: ICT in Libraries; Block 1: Library Automation, Unit 2); IGNOU, New Delhi, March 2014
- 138. Library Automation Software Packages. In BLIS (Course 9: ICT in Libraries; Block 1: Library Automation, Unit 3); IGNOU, New Delhi, March 2014
- 139. Library Automation Application of Open Source Software. *In* BLIS (Course 9: ICT in Libraries; Block 1: Library Automation, Unit 4); IGNOU, New Delhi, March 2014
- 140. Pannelist for discussion on paper II (Management of Libraries and Information centers) and paper VI (Document Cataloguing practice) as DEC sponsored National Level Workshop in Library and Information Science on "Re-vision-science curriculums". Organised by the School of Humanities and School of Social Sciences, Netaji Subhas Open University on May 10-11, 2013.
- Library and Information Science in Changing Paradigm. New Delhi: Ess Ess Publications, 2013. ISBN-10: 8170006961, ISBN-13: 978-8170006961
- 142. Library Portal Designing & Web Resource Management. (Pp. 5-12). Indian Journal of Library and Information Science. Vol. 7, No. 1, 2013. ISSN: 0973-9548. Peer Reviewed (Indexed).
- 143. Information Communication through Fibre Optic: An Overview.(Pp. 21-33). International Journal of Information and Communication. Vol. 16, No. 2, December 2013. ISSN: 09721347. Peer Reviewed (Indexed).

144. Ontology : The Basic Concept. COMSOMATH : Magazine on Computer Science, Social Science and Mathematics. Vol. 17, No. 1, March 2014, Pp. 9-19. ISSN No. 0972-2971. Peer reviewed

DEPARTMENT OF POLITICAL SCIENCE

- 145. Public Service Reforms in India: A Fight against Corruption, Towards Freedom Publishers, ISSN 978-81-8206-036-4.
- 146. Good Governance through E-District Project in West Bengal A Case Study of Bankura District, Social Cue-Inter Disciplinary Journal, Volume 1, Number 2&3, July 2013, ISSN 2320-8988, p111-117.
- 147. Good Governance through e-district project in West Bengal- A Case study of Bankura District, International Seminar on "Policies, Institutions, Governance and Contemporary Disarray", Andhra University, Vishakhapatnam, July 27th -30th2013.
- 148. "Largarh The drowning cries of a Gandhi Movement" presented in International Seminar on "Peace and Conflict Resolution: Gandhian Perspective", GITAM University, Centre for Gandhian Studies, Vishakhapatnam, 4-6th October, 2013.
- 149. "Reforming the Central Bureau of Investigation: A Jihad against Corruption" presented in State level Seminar "Corruption in India: Sources, Structures and Solutions", Department of Political Science, University of Kalyani, 27th August, 2013.
- 150. Authored two Modules for Post Graduate Political Science, Netaji Subhas Open University.
- 151. TRIBAL DEVELOPMENT, Publication by Alexis Foundation in association with Rajiv Gandhi National Law University, Forthcoming.
- 152. Mallick, Md. Ayub, 'Contextualizing the Concept of Secularism in India', *International Journal of Humanities and Social Science Invention*, Vol. 2, Issue 5, 2013. (Peer Reviewed and Indexed).
- 153. Mallick, Md. Ayub, 'Reform Communism and Neo-Marxism in West Bengal', *IOSR Journal* of Humanities and Social Science, Vol. 10, Issue 3, 2013. (Peer Reviewed and Indexed).
- 154. Mallick, Md. Ayub, 'Marginalization of Tribal People in West Bengal', *International Journal* of Humanities and Social Science Invention, Vol. 2, No. 7, 2013. (Peer Reviewed and Indexed).
- 155. Mallick, Md. Ayub, 'Nature of Congress (I) as an Opposition in West Bengal', *Journal of International Academic Research for Multidisciplinary*, Vol. 1, Issue 4, 2013. (Peer Reviewed and Indexed).
- 156. Mallick, Md. Ayub, 'Ideology of the Indian National Congress', *IOSR Journal of Humanities and Social Science*, Vol. 12, Issue 2, 2013. (Peer Reviewed and Indexed).
- 157. Mallick, Md. Ayub, 'Panchayati Raj and Tribal Development in West Bengal', *Journal of International Academic Research for Multidisciplinary*, Vol. 1, Issue 4, 2013. (Peer Reviewed and Indexed).
- 158. Mallick, Md. Ayub, 'Kohli-Williams Debate and the Decline of the Left', *International Journal of Innovative Research and Development*, Vol. 2, No.8, 2013. (Peer Reviewed and Indexed).
- 159. Mallick, Md. Ayub, 'Politics and Education in India', *Review Subcontinent*, 2013. (Peer Reviewed and Indexed).
- Mallick, Md. Ayub, 'Multiculturalism, Minority Rights and Democracy in India', *IOSR Journal of Humanities and Social Science* (IOSR-JHSS), Volume 16, No. 1 (Sep. Oct. 2013). (Peer Reviewed and Indexed).

- 161. Mallick, Md. Ayub, 'E-governance and Rural Development in India', *Journal of International Academic Research for Multidisciplinary*, Vol. 1, No. 10, 2013. (Peer Reviewed and Indexed).
- 162. "Shocks to force Pakistan's hand on terror", Asia Times, October 23, 2013, http://www.atimes.com/atimes/South_Asia/SOU-01-231013.html

DEPARTMENT OF SANSKRTT

- 163. "Influence of Sanskrit in Modern Literature", Agartala, Tripura (ISBN:978-93-81631-119)
- 164. Vedic Studies" (Vol. VI) ISSN: 2278-4373
- 165. Mahabharater Tin Rupantarkamir kahini, Magazine namely Samasamayik Bangla

DEPARTMENT OF ADULT, CONTINUING EDUCATIION AND EXTENSION

- 166. Low-cost Eco-friendly Housing Technology (August 2013) Page Nos. 03, Panchayati Raj, SRD Cell, WBSRDA, P&RD Department Govt. of WB, KOL RMS/388/2011-2013, RNI No-WBBEN/2007/23852
- 167. The changing focus of the UGC Guidelines on extension the neglected third dimension of our University educations Page nos: 0, Edited book on Resource and Research NSS, Kalyani University ISBN: 81-86386-64-5

DEPARTMENT OF PHYSICAL EDUCATION

- 168. A Study on age, sex and motor creativity, Journal of education and development. Vol.3, No.5, June 2013. Pp. 30-38. ISSN-2248-9703
- 169. "A study on Relationship between physical fitness and psychological profile of district level women gymnastics. Journal of Education and Development". Vol 3, No 5, June 2013, pp. 111-114. ISSN-2248-9703
- 170. Warming up, Journal of Education and Development. Vol. 3, No. 5, June 2013. Pp. 95-98. ISSN-2248-9703 (2013-14)
- 171. "A study on Aerobic Capacity Anarobic Capacity and Homeoglobin concentration of 13-14 years school going children". Journal of Education and Development. June, 2013. ISSN 2248-9703
- 172. A comperative study of self concept of district level difference ball game players. <u>Research Bi-annual for movement</u>, vol.30 No.1 Oct., 2013, pp. 39-47. ISSN-0973-1989
- 173. A study on different types of speed development among different age group of school going boys students. Man in motion (Proceeding of UGC sponsored National seminar). pp 219-224.June,2013
- 174. Prakcharjar Abhimukh, Kolkata, Classique Book
- 175. Present Scenario and Future Trends of Adapted Physical Education and Sports for the disabled, <u>Emerging Areas of Physical Education and Sports Science</u>, Delhi: Akansha Publishing House [ISBN 978-81-8370-363-5]
- 176. Higher Secondary Physical Education , Kolkata, Institute of Educational Research & Evaluation
- 177. Age Related charges on Growth and Motor Performance of12, 13 & 14 years BoysJournal of Education and Development Multi disciplinary,Peer Renewed JournalVol. 3, No. 5, June 2013ISSN 2248-9703

- A Longitudinal Study on Balance of Adolescent School GoingGirlsJournal of Education and Development Multi disciplinary, Peer Renewed JournalVol. 3, No. 6, December 2013, ISSN 2248-9703
- Xenophobia, Migration and Development through Sports: A Study on North East Sports and Sports Person Journal of Education and Development Multi disciplinary, Peer Renewed JournalVol. 3, No. 5, June 2013, ISSN 2248-9703
- A Comparative Study on some Anthropometric and Motor Fitness Variables of High and Low Altitude Male Students Man in Motion, ISBN – 987-81-923488-8-9, 2013
- A Comparative Study on Selected Anthropometric Measurements Among Male Students of two different Altitudes., AMASS, ISSN 0975-3966 Vol. 5, No. 2, Nov. & Dec. 2013
- Bio-mechanical analysis of batting technique of front footoff drive Man in Motion, ISBN 987-81-923488-8-9, 2013
- A Study on Selected Physical Fitness Variables of Trained and Untrained Female Students in Respect to their Anthropometric Variables Man in Motion, ISBN – 987-81-923488-8-9, 2013
- Impact of Socio Economic Status on High tans Weight of 8 to 11 year old Boys. Man in Motion ISBN – 987-81-923488-8-9, 2013
- Age Related Changes on Growth and Motor Performance for 14 & 15 year Boys, IJEMF International Journal, ISSN 2319-3050 Vol. 01, Issue 04, June, 2013
- 186. A Study on Selected Physical Fitness Variables of different AgeGroups of Active Female Students in Respect to their Anthropometric VariablesJournal of Educational Thoughts, Multidisciplinary, Peer Reviewed Journal, Vol.1, No.1, March, 2014, ISSN 2348-1714
- 187. Age wise Comparative Study on B.M.I. and Body Fat Percentage of School Going Male StudentsJournal of Educational ThoughtsMulti-disciplinary, Peer Reviewed Journal, Vol.1, No.1, March, 2014, ISSN 2348-1714
- 188. A Comparative and Correlative Study on Body Composition and Motor Performance of 13 Years Old Boys of Darjeeling, Journal of Knowledge, Multi-disciplinary, Peer Reviewed Journal, Vol.2, No.3, March, 2014, ISSN 2321-791X
- 189. 24th Pan Asian Society of Sports & Physical Education with special emphasis on traditional sports and games, UNESCO recognised world intangible heritageOrganised by Dept. of Physical EducationBinoy Bhaban and Visva-Bharati Sports Boardon 7-9 Feb,2014
- 190. Effect of hatho yoga and aerobic dance practices on selected motor variables of Adolescent girls
- 191. 'Journey'ISBN-978-81-922522-9-2 September 29th, 2013 'A Study on the Position of Cg with respect to Age, Sex & Nature of Activity,'
- 192. 'Man in Motion' ISBN NO. 978-81-922522-9-2/September,2013 'Different Professional Cg Position'
- 'EDULIGHT' Volume-3,Issue-5,May2014 ISSN-2278-9545, 'Physiological Growth Pattern of 5-11 years Boys at Kalyani'.
- 194. A Study on Body Composition & Health Related Physical Fitness of Adolescent Boys.2014
- 195. Effect of Selected Acrobatics Gymnastics Training on Strength & Balance. 2014
- 196. UGC Minor Research Project- A Study on the Position of Cg of 18 to 20 years Boys &15 to 17 years Girls-July 2014. (Submitted)

DEPARTMENT OF BUSINESS ADMINISTRATION

- 197. "Sublimating Consumer Behaviour by Celebitites'Warmth: The icing on Retail Cake in Organized Apparel Sector", Emerging Business Opportunities & Challenges, Excel Books, New Delhi, 2013, page 77-87, (ISBN: 978-93-5062-333-6). (Co-author: G. Das).
- 198. "Retailing in India: Derby on the Court", Post Reform Indian Economy, Regal Publications, New Delhi, 2014, page: 460-488, (ISBN: 978-81-8484-325-5).
- 199. "Changes of Fashion Trends for Apparels: A Study with Respect to Bangladesh and West Bengal", Contemporary Issues and Trends in Fashion, Retail and Management, BPSBS Publications, Hyderabad, 2014, page 11 – 17. (Co-author: H. Siddika).(ISBN:978-81-7800-279-2)
- "Marketing of Pharmaceutical Products: Rationalizing Strategies in Indian Context", JIS Management Vista, Vol. 7, No.1, January-June, 2013, page 11 - 17, (ISSN: 0974-0872). (Coauthor: M. Ghosh).
- 201. "Customers' Satisfaction and Trust on Intermediaries: Fathoming the most Inscrutable Aspects of Laboratory Ingredients Market", Business Sciences, Vol.1, No.1, 2013, page 184-189, (ISSN: 2321-3191). (Co-author: A. Pal).
- 202. "Antecedents of Customer Value in Automobile Tyre Marketing", JIS Management Vista, Vol. 7, No.1, July-December, 2013, page 35-44, (ISSN: 0974-0872). (Co-author: S. Karan).
- 203. Developing Strategic Fashion Marketing Mix for Apparels: A Study with respect to Bangladesh and West Bengal", International Conference on Strategic Management: Emerging Economies' Perspective, Oxford College of Business School, Bengaluru, October 2013, page 197-206.
- 204. Factors influencing Consumers' Fashion Behaviour for Apparel items: An empirical study on Bangladesh &West Bengal", 5th National Conference on Business Innovations, Economics & Management organized by Siliguri Institute of Technology during November 16-17, 2013, Page 80.
- 205. "Branding in MSME Sector: Touching the threshold of Sustainability", National Seminar on Effectiveness, Ethics and Sustainability: The Measures of Organizational Excellence organized by Department of Management Studies, Indian School of Mines during December 6-7, 2013, page 68.
- 206. "Corporate Social Responsibility: Face Behind the Mask", International HR Conference organized by Department of MHRM, IISWBM during February 6-7, 2014, page 61.
- 207. "Fashion Trends for Apparel Items: An Overview of the Fashion Industry of Bangladesh and West Bengal", International Seminar on Advancement of Management Thought and Practices organized by Department of Business Administration, Vidyasagar University during February 10-11, 2014, page 116.
- 208. Employee Stock Option Plans:Regulatory Framework & Reporting in India, Lambert Academic Publishing, 978-3-659-50545-4
- Corporate SustainabilityReporting: Evidence from Listed Companies in India", Post Reforms Indian Economy,Konar, D.N. and Karmakar, A.K. (Ed), Bengal Economic Association, 2014, pp. 194-214, (Co-author: SarbaniMitra)
- 210. "The Valuation Effect of Stock Splits and Bonus Issues in Indian Stock Market "Indian Accounting Review, Indian Accounting Association Research Foundation, Kolkata Vol.17., No.2, December 2013, pp. 9-28, (Co-author: SwetaChhachhoria)
- 211. "Functional Dependency of Net Present Value (NPV) and Internal Rate of Return (IRR)."International Finance Conference 2014onCurrent Issues in Finance in Developing

- 212. Chapter 7 in an edited volume "An Application on Computational and Financial Econometrics" published by Bloomsbury Publishing India Pvt Ltd (2013).
- 213. A Chapter "An Empirical Study in Indian Share Market" in an edited volume published by Allied Publisher Pvt Ltd (2013).
- 214. "Prediction Through Genetic Algorithm: A Case Study In Indian Share Market.", International Journal of Emerging Technology and Advanced Engineering, ISSN 2250–2459, Volume 3, Issue 6, June 2013.
- 215. "Management of Databases for Mobile Networking", *International Journal of Information and Computation Technology*, ISSN 0974–2239, Volume 3, Number 8, 2013.
- "AN EMPIRICAL STUDY IN INDIAN SHARE MARKET. "International Conference on Challenges in Management & Information Technology during Jan 10, 2014. (Full paper is published).
- 217. "Option Pricing Model under Skewed Brownian motion." The 50th Annual Golden Jubilee Conference of the Indian Econometric Society (TIES) during Dec 22-24, 2013. (Abstract is published).
- 218. "Optimal Capital Budgeting Problem in Finance: An Empirical Study with Soft Computing Techniques." International Conference on Operations Research on Data Analytics & Decision Analysis during October 21-23, 2013. (Abstract is published).
- 219. "Use of Soft Computing in Optimizing Financial Prediction: An Empirical Study in India (for the period 2002-2012)." International Conference on Operations Research on Data Analytics & Decision Analysis during October 21-23, 2013. (Abstract is published.).
- 220. "A New Application of Soft computing Techniques in Finance: Evidence from India." International Conference on Operations Research on Data Analytics & Decision Analysis during October 21-23, 2013. (Abstract is published.).
- 221. "Optimizing Black-Scholes Option Pricing Model: Some Theoretical Developments." International Conference on Operations Research on Data Analytics & Decision Analysis during October 21-23, 2013. (Abstract is published.).
- 222. "Optimizing Black-Scholes Option Pricing Model: Some Theoretical Developments. "International Conference on Facets of Uncertainties and Applications (ICFUA 2013) during Dec 5-7, 2013. (Abstract is published.).
- 223. " OPTION PRICING under SKEWED BROWNIAN MOTION: A NEW MODEL. "International Finance Conference 2014 on Current Issues in Finance in Developing Nations during Jan 17-18, 2014. (Abstract is published.).
- 224. "Functional Dependency of Net Present Value (NPV) and Internal Rate of Return (IRR)."International Finance Conference 2014 on Current Issues in Finance in Developing Nations during Jan 17-18, 2014. (Abstract is published.).
- 225. A full article is placed in the Souvenir of the 12th annual reunion (2014) of the Department of Business Administration, University of Kalyani.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- 226. Mandal, J K, Sing, M. M., Sing, A, "Towards Techniques of Detecting Node Replication Attack in Static Wireless Sensor Networks", International Journal of Information and Computation Technology, ISSN 0974-2239 Volume 4, Number 2 (2014), pp. 153-164, 2014.
- 227. Mandal, J. K.(coauthor) et al, "A Novel Secure Image Steganography Method Based On Chaos Theory In Spatial Domain", International Journal of Security, Privacy and Trust Management (IJSPTM) Vol 3, No 1, February 2014, pp.11-21,

- 229. Mukhopadhyay, S and Mandal, J. K., A Fuzzy Switching Median Filter of Impulses in Digital Imagery (FSMF), Circuits, Systems, and Signal Processing, February 2014, DOI:10.1007/s00034-014-9739-z,ISSN: 0278-081X, Springer US, http://link.springer.com/article/10.1007%2Fs00034-014-9739-z, 2014.
- 230. Mandal, J. K., Khamrui, A, "A Genetic Algorithm based Steganography on Color Images (GASCI)" International journal of Signal and Imaging Systems Engineering (IJSISE), Vol.7,No. 1, pp. 59-63, ISSN print: 1748-0698,Indexed in Scopus, DOI: 10.1504/IJSISE.2014.057935 Inderscience Publishers. 2013.
- 231. Somnath Mukhopadhyay and J. K. Mandal, "Denoising of digital images through PSO based pixel classification", Central European Journal of Computer Science, Vol. 3, No. 4, pp.158-172, DOI:10.2478/s13537-013-0111-3,Print ISSN 1896-1533 Poland(Springer Publication), Indexed in DBLP,(December, 2013).
- 232. Ghoshal, S., Mandal J. K.," A Frazile Watermarking based on Legendre Transform for Color Images(FWLTCI)", Signal & Image Processing: An International Journal(SIPIJ), Vol. 4, No. 4, pp.119-127,DOI:10.5121/sipij.2013.4410, ISSN:0976-710X(0),2229-3922(p), Indexed on EBSCO Host, DOAJ, Open J-Gate, Proquest, Ulrichs, PubZone, New Jour, World Cat, Google Scholar, August, 2013.
- 233. Ghoshal, S.,Mandal J. K.," Binomial Transform based Image Authentication(BTIA)", The International Journal of Multimedia & Its Applications(IJMA), Vol. 5, No. 4, pp.67-74,DOI:10.5121/ijma.2013.5405, ISSN:0975-5578(o),0975-5934(p), Indexed on EBSCO Host, DOAJ, DBLP Vis, Open J-Gate, Proquest, Electronic Journal Library, Ulrichs, PubZone,New Jour, World Cat, August, 2013.
- 234. Sengupta M, Mandal J. K., "Image Authentication through Z-Transform with Low Energy and Bandwidth (IAZT)", International Journal of Network Security & Applications(IJNSA), ISSN:0974-9330, Indexed on EBSCO Host, DOAJ, Open J-Gate, Electronic Journal Library, Ulrichs, New Jour, (Reference ID 181), (July 2013).
- 235. Mondal, U, Mandal J. K.," A Systematic Approach to Authenticate Song Signal Without Distortion of Granularity of Audible Information (ASSDGAI)", International Journal of Multimedia & Its Applications (IJMA), ISSN:0975-5578, Indexed on EBSCO Host, DOAJ, Open J-Gate, Electronic Journal Library, Ulrichs, New Jour, (Reference ID 181), (July 2013).
- 236. Sarkar, A, Mandal J. K.," Group Session Key Exchange Multilayer Perceptron based Simulated Annealing guided Automata and Comparison based Metamorphosed Encryption in Wireless Communication (GSMLPSA)", International Journal of Wireless & Mobile Networks (IJWMN), ISSN:0975-3834, Indexed on EBSCO Host, DOAJ, Open J-Gate, Electronic Journal Library, Ulrichs, New Jour, (Reference ID 181), (Accepted July 2013).
- 237. Mandal J. K., Hasan, K. L.," A Novel Technique to Detect Intrusion in MANET,", International Journal of Network Security & Applications, ISSN:0974-9330, Indexed on EBSCO Host, DOAJ, Open J-Gate, Electronic Journal Library, Ulrichs, New Jour, (Reference ID 177), (July 2013).
- 238. Mandal J. K., Hasan, K. L., "Secure Agent based Data Transmission in MANET,", International Journal of Advanced Research in Computer Science, Vol. 4(Issue May-June 2013), ICV=5.47, ISSN:0976-5697, Indexed on EBSCO Host, DOAJ, Open J-Gate, Electronic Journal Library, Ulrichs, New Jour, (Reference ID 4929), 2013.
- 239. Sengupta, M, Mandal, J. K., "Wavelet based Authentication/Secret Transmission Through Image resizing(WastiR), Signal & Image Processing: An International Journal, ISSN:0976-710X(o), 2229-3922(Print), Indexed on ProQuest, EBSCO, DOAJ, Pubzone, CiteSeer,Google Scholar, Inspec, getcited, March 2013.

- Sarkar Arindam, Mandal J. K., "Key Swap Over Among Group of Multilayer Perceptrons for Encryption in Wireless Communication(KSOGMLPE)", International Journal of Information TECHNOLOGY, Control and Automation(IJITCA), Vol 3, No.1, January 2013, ISSN: 1839-6682, Indexed by:, <u>DOAJ</u>, getCITED,Scribd, <u>Google Scholar</u>, CSEB,Pubget <u>ProQuest</u>, pp. 85-100, DOI:10.521/ijitca.2013.3107,2013.
- 241. H. Mahanta and Mandal, J. K.," Supermap iServer 6R, an user friendly GIS server for easy publishing and managing large spatial data at World Wide Web" published in the proceedings of 20th West Bengal State Science and Technology Congress, Bengal Engineering and Science University, 28.2.13-.2.3.13, 2013
- 242. Uttam Kr. Mondal , J. K. Mandal, "Generating Unique identifying Key for Song Signal using DCT Transform (UIKSSDT)", 48th Annual Convention of Computer Society of India (CSI-2013), Special Session: Computational Intelligence Tools & Techniques for IT Excellence, Hosted by CSI Visakhapatnam Chapter, In association with Visakhapatnam Steel Plant, 13th 15th Dec, 2013, The proceedings will be published by AISC series of Springer, pp. 567-575, DOI: 10.1007/978-3-319-03095-1_61, indexed on Scopus, DBLP.
- 243. Arindam Sarkar, J. K. Mandal, "Complete Binary Tree Architecture based Triple Layer Perceptron Synchronized Group Session Key Exchange and Authentication in Wireless Communication (CBTLP)", 48th Annual Convention of Computer Society of India (CSI-2013), Special Session: Computational Intelligence – Tools & Techniques for IT Excellence, Hosted by CSI Visakhapatnam Chapter, In association with Visakhapatnam Steel Plant, 13th – 15th Dec, 2013, The proceedings will be published by AISC series of Springer, pp. 609 – 615, DOI: 10.1007/978-3-319-03095-1_66, indexed on Scopus, DBLP.
- 244. Madhumita Sengupta and J. K. Mandal, "Color Image Authentication through Visible Patterns (CAV)", 48th Annual Convention of Computer Society of India (CSI-2013), Special Session: Computational Intelligence Tools & Techniques for IT Excellence, Hosted by CSI Visakhapatnam Chapter, In association with Visakhapatnam Steel Plant, 13th -15th Dec, 2013, The proceedings will be published by AISC series of Springer, pp. 617-625, DOI: 10.1007/978-3-319-03095-1_67, indexed on Scopus, DBLP.
- 245. Amrita Khamrui, J. K. Mandal, "A Wavelet Transform based Image Authentication approach using Genetic Algorithm (AWTIAGA)", 48th Annual Convention of Computer Society of India (CSI-2013), Special Session: Computational Intelligence – Tools & Techniques for IT Excellence, Hosted by CSI Visakhapatnam Chapter, In association with Visakhapatnam Steel Plant, 13th -15th Dec, 2013, The proceedings will be published by AISC series of Springer, pp. 251-258, DOI: 10.1007/978-3-319-03107-1_28, indexed on Scopus, DBLP
- 246. J. K. Mandal and Parthajit Roy, "A Novel Selective Scale Space Based Fuzzy C-Means Model for Spatial Clustering", Paper ID – 35, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier, vol. 10, pp. 596-603, available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- 247. Dr. Pawan Jha and Dr. J.K. Mandal, "SECURING MESSAGE USING RECURSIVE MODULO-2 AND KEY ROTATION OPERATION (RMRO)", Paper ID – 52, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier, vol. 10, pp. 935-941, availabledigitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- Utpal Nandi and Jyotsna Kumar Mandal, "Modified Compression Techniques Based On Optimality Of LZW Code (MOLZW)", Paper ID – 80, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013),

Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier Elsevier, vol. 10, pp. 949-956, available digitally onhttp://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.

- 249. Kousik Dasgupta, J. K. Mandal and Paramartha Dutta, "Optimized Video Steganography using Genetic Algorithm (GA)", Paper ID 113, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier Elsevier, vol. 10, pp. 131-137, availabledigitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- 250. Kousik Dasgupta, Brototi Mondal, J. K. Mandal, Paramartha Dutta and Santanu Dam, "A Genetic Algorithm (GA) based Load Balancing Strategy for Cloud Computing", Paper ID–127, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA-2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier, vol.10,pp.340-347,availabledigitallyon http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- 251. Amrita Khamrui and J. K. Mandal, "A Genetic Algorithm based Steganography using Discrete Cosine Transformation (GASDCT)", Paper ID 196, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology,Elsevier,vol.10,pp.105-111,available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013
- 252. Somnath Mukhopadhyay and J. K. Mandal, "Wavelet based Denoising of Medical Images using Sub-band Adaptive Thresholding through Genetic Algorithm, Paper ID 236, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier, vol.10,pp.680-689,available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc., 2013.
- 253. Sudipta Kr Ghosal and J. K. Mandal, "Stirling Transform based Color Image Authentication", Paper ID – 256, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier, vol.10, pp.95-104, available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI, DBLP etc.,2013.
- Uttam Kr. Mondal and J. K. Mandal, "Preservation of IPR of Songs through Embedding Secret 254. Song (IPRSESS)", Paper ID–268, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with vol.10, pp.978-986, Procedia Technology, Elsevier, available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI, DBLP etc., 2013.
- 255. Anirban Chakraborty and J. K. Mandal, "A GIS Anchored system for selection of utility service stations through Hierarchical Clustering", Paper ID–269, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013),

Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata Chapter & Proceedings published with Procedia Technology, Elsevier, vol.10,pp.762-772,available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.

- 256. Nabarun Chatterjee and J. K. Mandal, "Detection of Blackhole Behaviour using Triangular Encryption in NS2", Paper ID – 270, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata Chapter & Proceedings will be published with Procedia Technology, Elsevier, vol.10, pp.524-529, available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- 257. Arindam Sarkar and J. K. Mandal, "Computational Intelligence based Triple Layer Perceptron Model Coordinated PSO guided Metamorphosed based Application in Cryptographic Technique for Secured Communication (TLPPSO)",Paper ID–304, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA-2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings will be published with Procedia Technology, Elsevier, vol.10, pp.433-442, available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- 258. Radha Krishna Bar, J. K. Mandal and Moirangthem Marjit Singh, "QoS of MANet using trust based AODV routing protocol through exclusion of black hole attack", Paper ID 308, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA- 2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier, vol.10, pp.530-537, available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI, DBLP etc., 2013.
- 259. Madhumita Sengupta and J. K. Mandal, "Authentication through Hough transformation generated Signature on G-Let D3 Domain (AHSG), Paper ID 329, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA-2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology, Elsevier, vol.10, pp.121-130,available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- 260. Arghadip Chowdhuri, J. K. Mandal and Arindam Sarkar, "Time Efficient Optimal Tuning through Learning Rules in Unify Computing (TEOTLRUC)", Paper ID 337, 1st International Conference on Computational Intelligence: Modeling, Techniques and Applications (CIMTA-2013), Sponsored by AICTE, Govt. of India, Technically Sponsored by IEEE Kolkata chapter & Proceedings published with Procedia Technology,Elsevier, vol.10, pp.474-481,available digitally on http://www.sciencedirect.com/science/journal/22120173/10, 27-28 September, 2013 indexed on SCOPUS, SCI,DBLP etc.,2013.
- 261. Mandal, J. K. Nandi, U, "Fractal Image Compression using Fast Context Independent HV partitioning Scheme and MRBH, MRBHM coding", IEEE International Conference ACES-14, HOOGHLY, WEST BENGAL, INDIA(2014).
- 262. Sarkar, A., Changder, S and mandal, J. K., "A Threshold based Directional Weighted Median Filter for Removal of Random Impulses in Thermal Images", IEEE, 2nd International Conference on Business and Information management(ICBIM)- 2014, NIT Durgapur, Doi:978-1-4799-3264-1/14/\$31.00@2014 IEEE, pp., NTU Singapore.
- 263. Madhumita Sengupta, J. K. Mandal and Jimson Mathew, "G-Let based Authentication/Secret Message Transmission (GASMT)", Paper ID – 54, IEEE, 4th International Symposium on Electronic System Design ISED- 2013, NTU Singapore.

- 264. Arindam Sarkar, J. K. Mandal and Priyadarsan Patra, "Double Layer Perceptron Synchronized Computational Intelligence guided Fractal Triangle based Cryptographic Technique for Secured Communication (DLPFT)", Paper ID – 57, IEEE, 4th International Symposium on Electronic System Design ISED- 2013, NTU Singapore
- Mandal, J. K., Chowdhuri, Arghyadip Sarkar, A, "Encryption Technique based on Neural Session Key (ETNSK)", IEEE Technical Co-Sponsored International Conference International conference, ICCS - 2013, Department of Computer Science Burdwan University, Burdwan, during 21-23, September, 2013
- 266. Chakraborty, A, Mandal, J. K., Chandrabanshi, S. B and Sarkar, S, "A GIS Anchored system for selection of utility service stations using k-means method of Clustering", IEEE Technical Co-Sponsored International Conference International conference, ICCS - 2013, Department of Computer Science Burdwan University, Burdwan, during 21-23, September, 2013
- 267. Paul, M., Mandal, J.K.,"A Novel Generic Session based Bit Level Cryptographic Technique based on Magic Square Concept, International Conference on Global Innovations in Technology and Science(ICGITS2013), Saintgits College of Engineering, Kottayam, Kerala, 4-6th April, 2013.
- Paul, M., Mandal, J.K., "A Novel Symmetric Key Cryptographic Technique at Bit Level Based on Spiral Matrix Concept, International Conference on IT, Electronics and Communications(ICITEC-2013), (ISBN:978-93-82359-35-7), Bangalore, 30-31 March, 2013
- Mandal, J. K., Chakraborty, A., "A GIS Anchored Technique to obtain Optimal Path through Minimal Alteration of Land type", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.273-279, Bangalore, India., 2013
- 270. Nandi, U., Mandal, J. K., "Fractal Image Compression with Adaptive Quadratic Partitioning", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.289-296, Bangalore, India, 2013
- 271. Mandal, J. K., Ghosal S. K., "A Fragile Watermarking based on Binomial Transform in Color Images", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.281-288, Bangalore, India, 2013
- 272. Mandal, J. K., Ghosal S. K., "Legendre Transformation based Color Image Authentication(LTCIA)",CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.265-272, Bangalore, India, 2013
- 273. Mondal, U, Mandal, J. K., "An Analytical Approach to Generate Unique Song Signal(AUSS)", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.09-216, Bangalore, India, 2013.
- 274. Mandal, J. K and Hassan, K L., "Agent based Intrusion Detection System in MANET", CSIT-2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.201-208, Bangalore, India, 2013.
- 275. Sengupta, M, Mandal, J K, "Image Coding through Z-Transformation with Low Energy and Bandwidth(IZEB)", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.225-232, Bangalore, India, 2013.

- 276. Sarkar, A, Mandal, J. K., "Secured wireless communication through Simulated Annealing Guided Triangularized Encryption by Multilayer Perceptron generated Session Key(SATMLP)", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20, 2013, pp.217-224, Bangalore, India, 2013.
- 277. Mandal J K and Ghosh, A., "Edge Detection by Modified Otsu Method", CSIT- 2013, Proceedings of Third International Conference on Computer Science & Information Technology AIRCC Computer Science Proceedings, ISSN No.2231-5403, DOI:10.5121/csit.2013.3622, Feb.18-20,2013,pp.233-240, Bangalore, India, 2013.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- Biswas S. K., J.K. Biswas. 2013. Breastfeeding and Baby Food (Stanyapan o Shishur Aahar) (in Bengali) 2nd Edition.
- 279. Biswas, J.K. and S. Rana. 2014. Treatment wetlands as ecotechnological tools for regenerative reclamation of wastewater: experiences from working with Kalyani Model. Journal of Clean Energy and Technologies 2(1): 23-27.
- 280. Biswas, J.K. 2013. The fraying golden triangle of religion, man and nature: Looking for causal root and rescue-route for the environment's cause. Academic Spectrum 4(5): 1-15.
- 281. Roy, S., S. Hazra, J.K. Biswas and S. Kumar. 2014. Nutrient removal from waste water by macrophytes an eco-friendly approach to waste water treatment and management. Journal of Chemical Engineering (in press)
- 282. J.K. Biswas. 2013. Global warming induced ecological meltdown: Life on the edge. Proceedings of the State Level Seminar on Literature and Environment organized by Centre for Development Studies and Research.
- 283. J.K. Biswas. 2013. Biodiversity meltdown by global warming as a weapon of mass destruction: An account of colossal ecological tragedy. Proceedings of the National Conference on Challenges in Biodiversity Conservation and Resource Management. University of Kalyani.
- 284. J.K. Biswas. 2013. Relation between economy and environment: An attempt to evolve from conflict to unity. (Arthaneeti o paribesher samparka: Dwandwa theke oikye uttaraner prayas. Written in Bengali). Dashadishi, April 2013 to September, 2013: 233-240.
- 285. J.K. Biswas. 2013. Gene technology: Kalpataru of the Kaliyuga or sleeping monster? (Gene prayukti: Kaliyuger Kalpataru na ghumanta deitya? Written in Bengali). Saradiya Satirtha 5(7): 75-84.
- 286. J.K. Biswas. 2013. Environment of consumption and consumption of environment (Bhoger paribesh o paribesher bhog. Written in Bengali). Ebong Etyadi, October, 2013: 6-15.

DEPARTMENT ENGINEERING AND TECHNOLOGICAL STUDIES

- 287. High Gain Wide-Band U-Shaped Patch Antennas with Modified Ground Planes, K.Mandal, P.P.Sarkar, IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, VOL. 61, NO. 4, APRIL 2013, Pp – 2279-2282
- 288. Polarization Independent Triple Band Single Layer Frequency Selective Surface, P. Samaddar, S. De, S. Sarkar, S. Biswas, D.C. Sarkar, P.P. Sarkar, International Journal of Computer Applications in Engineering Science. Vol-3, May-2013. Pp- 87-89
- 289. Compact Microstrip Antenna for Mobile Communication, S.Chatterjee, K.Ghosh, J.Paul, S.K.Chowdhuri, P.P.Sarkar, D.C.Sarkar, MOTL, Vol 55, Issue 5, May-2013, Pp- 954-957

- Dual Broadband Frequency Selective Structures with multi resonant Frequencies, R.Ghosh, D. Sarkar ,P.P. Sarkar, International Journal of Latest Trends in Engineering and Technology (IJLTET), Vol.2, Issue 3, May 2013, Pp-192-197
- 291. Studies on the orientation of radiators For high-gain line-fed array antenna, Manisha Kahar, Arup Ray and P. P Sarkar, MOTL, Vol 55, Issue 6, June-2013, Pp 1348-1351
- 292. Wide band Rectangular wearable jeans antenna, B.Ray, P.P.Sarkar, MOTL, Vol 55, Issue 6, June-2013, Pp- 1270- 1273
- 293. Investigations on Miniaturized Multifrequency Microstrip Patch Antennas for Wireless Communication Applications, S. Das, P.P Sarkar, Journal of Electromagnetic Waves and Applications., Vol.27, No.9, June-2013., Pp-1145-1162
- 294. A bee-hive Frequency Selective Surface for Wi-Max and GPS Applications, A.Ray, M.Kahar, P.P.Sarkar, Indian Journal of Physics, Vol-87, No.10, June-2013, Pp-1011-1015
- 295. Artificial Neural Network for the Analysis and Design of a Frequency Selective Surface with Slits, MAHUYA PANDA, POULAMI SAMADDAR, P.P.SARKAR, International Journal of Computer Applications in Engineering Science Vol III, Issue. II. June 2013, Pp-81-83
- 296. Investigation on a Broadband Microstrip Two Element Monopole Antenna with High Gain, S. De, S. Sarkar, S. Biswas, D. Sarkar, P.P. Sarkar, IETE Journal of Research, Vol. 59, No. 4, July-August 2013, Pp-400-403
- 297. Theoretical Investigation on a Reduced Sized Frequency Selective Surface with Multi frequency Operation, Sukriti Ranjan Saha, Nurnihar Begam, Partha Pratim Sarkar, National Conference on Control, Communication & Device Electronics (N3CD), 26th July, 2013, Pp-54-57
- 298. A Study on Frequency Selective Surface used for Broadband Application, Sanjukta Mandal, Snehasish Saha, Partha Pratim Sarkar, National Conference on Control, Communication & Device Electronics (N3CD), 26th July, 2013, Pp-115-118
- 299. Compact Microstrip Antenna for C-band Microwave Communication, S.Chatterjee, S.K.Chowdhuri, P.P.Sarkar, D.C.Sarkar, National Conference on Control, Communication & Device Electronics (N3CD), 26th July, 2013, Pp-99-104
- 300. A Study on Compact Frequency Selective Surface for Bluetooth Band Operation, Sourav Bandhu, Souvik Bera, ParthaPratim Sarkar, National Conference on Control, Communication & Device Electronics (N3CD), 26th July, 2013, Pp-390
- Reduced Size Multifrequency Microstrip Patch Antenna for, Sudipta Das, Arka Bhattacharjee, P.P.Sarkar, S.K.Chowdhury, IJECT Vol. 4, Issue Spl - 5, July - Sept 2013, Pp-26-28
- 302. Studies on a Compact Frequency Selective Surface With, Multi Frequency Operation, Sanjukta Mandal, Sukriti Ranjan Saha, P.P.Sarkar, IJECT Vol. 4, Issue Spl - 5, July - Sept 2013, Pp-44-46
- 303. Design of Compact and Wideband FSS by Cutting, Slot Within the Square Patch, Snehasish Saha, Nurnihar Begam, P. P. Sarkar, IJECT Vol. 4, Issue Spl 5, July Sept 2013, Pp-77-80
- Design of Novel Shaped Compact Frequency Selective Surface With Dual Band Application, Souvik Bera, Sourav Bandhu, P. P. Sarkar, IJECT Vol. 4, Issue Spl - 5, July - Sept 2013, Pp-29-32
- 305. A Compact High Gain Microstrip Antenna for Wireless Applications, K.Mandal, P. P. Sarkar, Int.J.ElectronCommun (AEU), Vol.67, Talor&Francis.2013, Pp-1010-1014
- 306. Design of an Extremely Wideband Planar Elliptical Metal Antenna, S.Mondal, P. P. Sarkar, IEEE Antennas and Wireless Propagation Letters, Vol. 12, No. 1, 2013, Pp- 1508-1511

- 307. A Dome Shaped Curved Fss with Extra Wide Band Applications: Design and Theoretical Analysis, Tanumay Mandal, Partha Pratim sarkar, IOSR Journal of Electronics and Communication Engineering (IOSR-JECE), Pp-53-55
- 308. Rectangular Broadband Microstrip Patch Antenna with Simple Modified Ground Plane, K. Mondal, Priti Rai, Deblina Banerjee, Sudipta Paul, Dr. D.Chanda, Dr. Partha Pratim Sarkar, International Journal of Electronics & Communication Technology(IJECT) Vol. 4, Issue 4, Oct Dec 2013, Pp-75-77
- Compact microstrip patch antenna for microwave communication, S.Chatterjee, S.K.Chowdhuri, P. P. Sarkar, Indian journal of Pure and Applied Physics, Vol.51, November, 2013, Pp-800-807
- Size Reduction of Rectangular Microstrip Antenna, Shatarupa Neogi, Anup K. Bhattacharjee, andPartha Pratim Sarkar, Microwave and Optical Technology Letters / Vol. 56, No. 1, January 2014, Pp-244-248
- Theoretical Investigation on a Broadband Microstrip Antenna with Modified Ground Plane, S.Saha, N.N.Begam, P.P.Sarkar, International Conference on Recent Trends in Science & Technology(ICRTST), Dec 27-29,2013, Pp-77-79
- 312. Theoretical Investigation on a Wideband Frequency Selective Surface, S.R.Saha, S.Mandal, P.P.Sarkar, International Conference on Recent Trends in Science & Technology(ICRTST), Dec 27-29,2013, Pp-81-85
- Design of a Compact Broadband Frequency Selective Surface (FSS) Comprising on Metallic Square Patch, N.N.Begam, S.Saha P.P.Sarkar, International Conference on Recent Trends in Science & Technology(ICRTST), Dec 27-29,2013, Pp-86-90
- 314. A Wideband High Gain Microstrip Antenna, S.Mandal, S.R.Saha, P.P.Sarkar, International Conference on Recent Trends in Science & Technology(ICRTST), Dec 27-29,2013, Pp-91-95
- 315. Design and Analysis of a novel open ended T shaped slot loaded Compact Multifrequency Microstrip patch Antenna, S. Das, A.Karmrkar, S.K.Chowdhuri, P. P. Sarkar, Microwave and Optical Technology Letters / Vol. 56, No. 2, February, 2014, Pp-316-322
- 316. Design of an Ultra-wideband Conformal Metal Antenna, S.Mandal, P. P. Sarkar, Microwave and Optical Technology Letters / Vol. 56, No. 2, February, 2014, Accepted
- 317. Investigation on Compact, High Gain Microstrip Antenna Providing Multi-frequency Operation, S. De, S. Biswas, D. Sarkar, P.P. Sarkar, Reason A-Technical Review,
- 318. Prediction of resonant frequency of a circular patch frequency selective structure usingartificial neural network, P Samaddar, S Nandi, S Nandy, D C Sarkar and P P Sarkar, Indian Journal of Physics
- 319. Design of Compact Broadband high gain Microstrip patch antennas with Modified ground plane", K. Mondal, P.P. Sarkar, MOTL
- Design and Analysis of a Compact Monitor Shaped Multifrequency Microstrip Patch Antenna, S. Das, P.P Sarkar, Journal of Electromagnetic Waves and Applications,
- 321. ACA based Image Steganography, A.Sarkar, A.Nag,, P.P.Sarkar, IEEK transactions on smart processing and computing, vol. 2, no. 5, Pp- 266 -276
- 322. Design of a Compact Broad Band Frequency Selective Surface, S.Mandal,S.Bera,N.begam,P.P.Sarkar, International Journal of Innovative Research in Science Engineering and Technology, vol. 3, spcl issue 2, Feb(15-16) 2014, Pp 166 – 169
- 323. Design of Wideband Microsrip Patch Antenna with High Gain, N.Begam,S.Mandal, S.R.Saha, P.P.Sarkar, International Journal of Innovative Research in Science Engineering and Technology, vol. 3, spcl issue 2, (15-16) Feb 2014Pp 186 – 189

- 324. Compact Multi Band Frequency Selective Surface design for Communication Purpose, Rimi Ghosh, Debasree Chanda Sarkar, Partha Pratim Sarkar, International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 4, April 2014, Pp 149 – 150
- 325. Secret Image Sharing Scheme Based on a Boolean Operation, Amitava Nag, Sushanta Biswas, Debasree Sarkar, ParthaPratim Sarka, Cybernetics And Information Technologies • Volume 14, No 2, Pp 98-113
- 326. An image authentication technique in frequency doamain using secure hash algorithm (FDSHA), A.Nag, S.Biswas, D.Sarkar, P.P Sarkar, ICAC-3, 2011, CCIS-125, Springer Pub., pp.335-341
- 327. A Compact Microstrip Patch Antenna for wireless Communication, S.Chatterjee, S.K.Chowdhury, P.P.Sarkar, Progress in Electromagnetics research c vol 18,2011, Pp 211-220
- 328. A Printed Patch Antenna for mobile Communication, S.Chatterjee, S.K.Chowdhury, P.P.Sarkar, National Conference held in J.I.S coll. Of Engg., 2011 (C.O.E.), Pp 103-108
- 329. Theoretical Investigation on reduction of resonant freq. of a Frequency selective surface by cutting a novel slot on rectangular patches, A. Roy, P.P.Sarkar, IEEE, EDS conference 18th April, 2011, held in Heritage Engg. College,Kolkata, Pp 27-28
- 330. Theoretical Investigation on size reduction of a Frequency selective surface by cutting s slot on rectangular patches, A. Roy, P.P.Sarkar, IEEE, EDS, conference 18th April, 2011, held in Heritage Engg. College,Kolkata, Pp 25-26
- 331. Frequency selective surface: some medifications for compactness and Bandwidth entrancement, R. Ghosh, P.P.Sarkar, National Conference on computer, Communication and Control – 11 (N4C - 11), April-29-30; 2011, R.V. College, Bangalore, Pp 16.1-16.4
- 332. Size reduction of microstrip antenna a review on theoretical investigation, P.Pradhan, P.P.Sarkar, National Conference on computer, Communication and Control – 11 (N4C - 11), April-29-30; 2011, R.V. College, Bangalore, Pp 16.5-16.7
- 333. Studies on compactness of Frequency selective surface by cutting slot or keeping different spacings between rectangular patches, A.Ray, P.P.Sarkar, National Conference on computer, Communication and Control – 11 (N4C - 11), April-29-30; 2011, R.V. College, Bangalore, Pp 17.1-17.4
- 334. XML mining using Genetic algorithm, S.Ghosh, P.P.Sarkar et.al., Journal of global research in Computer Science, Vol 2,No.5,April 2011, Pp 86-90
- 335. Size reduction of rectangular microstrip patch antenna using slit loaded ground plane, S.Sarkar, P.P.Sarkar, International Journal of electronics & telecommunication Technology, Vol. 2, Issue 2, June, 2011, Pp 30-33
- 336. Comparison and analysis of watermarking algorithms in colour images-Image security paradigm, D.Biswas, S.Biswas, P.P.Sarkar, D.Sarkar, S.Banerjee, A.Pal, International journal of Computer Sc. & Information Technology(IJCSIT), vol 3, No.3, June 201, Pp 33-47
- 337. A special type Frequency Selective Surface: Polarization independent for 90 degree Rotation, M.Kahar, A.Ray, S.Biswas,D.Sarkar,P.P.Sarkar, Proceedings of National Conference on Energy System Planning, Implementation and Operation held in JIS College,Kalyani on 19th August,2011, Pp 60-62
- A dualband monopole microstrip antenna, I.Sarkar, P.P Sarkar, S.K Chowdhury, M.O.T.L, Vol. 53, No.9, September, 2011, Pp 2079-2081
- 339. Reduction of Resonant Frequencies of FSS by Introducing Different Ptypes of Slots, R.Ray, A.Ray, S.Sarkar, D.Sarkar, P.P.Sarkar, IJCA Special Issue on"2nd National Conference-Computing, Communication and Sensor Network" CCSN,29-30 Oct,2011, Pp-38-41

- 340. Bandwidth enhancement of microstrip antennas by staggering effect, K. Mondal, S.Sarkar, P.P.Sarkar, M.O.T.L. Vol. 53, No.10 October, 2011, Pp 2446-2447
- 341. Weather Data Mining using Artificial Neural Network, Soumadip Ghosh, Amitava Nag, Debasish Biswas, Jyoti Prakash Singh, Sushanta Biswas, Debasree Sarkar, Partha Pratim Sarkar, Recent Advances in Intelligent Computational Systems (RAICS), 2011 IEEE, 03 November 2011, Pp. 192-195
- 342. A New Reduced Sized Frequency Selective Surface Loaded With Slits, Ayan Chatterjee, Poulami Samaddar, Arnab Pattanayak, Manabi Das, Partha Pratim Sarkar, National Conference on Advanced Communication Systems and Design Techniques (NCACD); Haldia Institute of Technology (HIT); November 5-6, 2011, Pp. 45-46
- 343. Gain Enhancement and Size Reduction of a Hexagonal Microstrip Antenna, K.Mandal, P.P.Sarkar, National Conference on Advanced Communication Systems and Design Techniques (NCACD); Haldia Institute of Technology (HIT); November 5-6, 2011, Pp. 51-53
- 344. Design of a broadband, compact, polarization independent frequency selective surface, .Ray, M.Kahar, S.Sarkar, D.Sarkar, P.P.Sarkar, International Conference on Laser, Material Science & Communication, The University of Burdwan, Dept. of Physics, December 7-9,2011, Pp. 256-258
- 345. A Review on Slit Loaded Compact Microstrip Antenna for Dual Frequency Operation, S.Sarkar, A.Ray, P.P.Sarkar, International Conference on Laser, Material Science & Communication, The University of Burdwan, Dept. of Physics, December 7-9,2011, Pp. 259-261
- 346. A Polarization Independent Compact Multi-Band FSS, A.Chaterjee, S.Biswas, D.Sarkar, P.P.Sarkar, Institute of Technology, Nirma University, Ahmedabad-382441,08-10 Dec, 2011, Pp-1-4
- 347. An Investigation on Bandwidth Enhancement due to Change in Substrate Dimension of Monopole Microstrip Antenna, I.Sarkar, P.P.Sarkar, S.K.Chowdhury, International Journal of Electronics & Communication Technology(IJECT) Vol.2, Issue 4, Oct-Dec.-2011, Pp. 195-198
- 348. Analysis of a Novel Shaped Microstrip Patch Antenna With Multiple Resonating Freuencies, A.Pattanayak, A.Chatterjee, Sourav Nandi, Tanumay Mandal, P.P.Sarkar, International Conference on Communication & Industrial Application. Dec.-2011, Orgn. By JIS group, held in Science City, Pp 1-3
- 349. A Compact Frequency Selective Surface Comprising of Array of Square Patch with Rectangular Slits, P.Samaddar, R Roy, P.Pradhan, D.C.Sarkar, P.P.Sarkar, International Conference on Communication & Industrial Application. Dec.-2011. Orgn. by JIS group, held in Science City, Pp-1-2
- 350. Secured Image transmission with GA based Audio Steganograghy, K.Bhowal,S.Biswas,D.Sarkar, P.P.Sarkar, Indicon IEEE Conference,Dec.2011,held in Hyderabad, Pp-1-4
- 351. Analysis of a novel shaped Microstrip Patch Antenna with Multiple Resonating Frequencies, A. Pattanayak, A. Chatterjee, S. Nandi, T. Mondal, P. P. Sarkar, International Conference on Communication & Industrial Application. Dec.-2011. Orgn. by JIS group, held in Science City IEEE exploder ISBN: 978-1-4577-1915-8, Pp-1-3
- 352. Study of Frequency Tuning Characteristic of a Microstrip Patch Antenna Operating at Dual Resonant Frequency, by Modifying the Slot, Loaded in the Ground Plane, S.Sarkar, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, International Journal of Soft Computing & Engineering); Vol-1, Issue- 6, Jan-2012, pp 189-191

- 353. Slit Loaded Compact Microstrip Antenna, A.Ray, M.Kahar, S.Biswas, P.P.Sarkar, Emerging Trends in Computer Science(ETCS), 20-21 Jan, 2012.held in Barrackpore,Rastraguru Surendranath College, Pp.76-78
- 354. Investigations on a Slit-Loaded, Miniaturized, Broadband Frequency Selective Surface, M.Kahar, A.Ray, D.Sarkar, P.P.Sarkar, Emerging Trends in Computer Science(ETCS), 20-21 Jan, 2012.held in Barrackpore, Rastraguru Surendranath College, Pp. 79-81
- 355. Ultra-wide and Multi band single substrate layer, double metallic plane FSS, A.Ray, M.Kahar, D.Sarkar, P.P.Sarkar, 4th International conference on 'Recent advances in Mathematics, technology and Managemrnt',21-22 Jan,2012,BITM,Santiniketan, Pp-1-4
- 356. An electrically small impedance matched multi-resonating microstrip antenna design, M.Kahar, A.Ray, S.Biswas, P.P.Sarkar, 4th Int. Con. on 'Recent advances in Math, Tech. and Mgmnt', 21-22 Jan, 2012, BITM., Pp-5-8
- 357. Square patch with different types of slots as FSSs, R.Ray, D.Sarkar, P.P.Sarkar, 4th International conference on 'Recent advances in Mathematics, technology and Managemrnt',21-22 Jan,2012,BITM,Santiniketan, Pp-9-12
- 358. A Honey-Comb Frequency Selective Surface for GPS and Wi-Max Applications, A.Ray, M.Kahar, S.Biswas, D.Sarkar, P.P.Sarkar, International Conference on Engineering Education in the New Century(E2NC-2012), February 03-04, 2012, held in Mankundu, Pp. 21-23
- 359. Single-feed Tetra-Frequency Compact Microstrip Antenna with a Novel Slot, M.Kahar, A.Ray, D.Sarkar, P.P.Sarkar, International Conference on Engineering Education in the New Century(E2NC-2012), February 03-04, 2012, held in Mankundu, Pp. 87-89
- A Compact Microstrip Antenna Using Cross Slot, S.De, D.Sarkar, P.P.Sarkar, International Conference on Engineering Education in the New Century(E2NC-2012), February 03-04, 2012 held in Mankundu, Pp. 97-98
- Patch Type FSS with Gridded Rectangular Loop, R.Ghosh, D.Sarkar, P.P.Sarkar, International Conference on Engineering Education in the New Century(E2NC-2012), February 03-04, 2012 held in Mankundu, Pp-81-82
- 362. A Tunable Microstrip Antenna design with multifaceted ability: Compactness, wideband, and Multi-frequency Operation, S.Sarkar, S.De, S.Biswas, D.Sarkar, P.P.Sarkar, International Conference on Computer, Communication, Control and Information Technology(C3IT-2012), February 25-26, 2012, held in A.O.T., Pp11-11(Abstract), Pp-1-5
- 363. Design and Analysis of a Compact Rectangular Microstrip Antenna with slots using Defective Ground Structure, M.Chakraborty, B.Rana, P.P.Sarkar, A.Das, International Conference on Computer, Communication, Control and Information Technology(C3IT-2012),February 25-26,2012 held in A.O.T., Pp 14-14
- 364. Wideband Bidirectional Planar Shorted Circular Monopole Antenna, S.Mondal, P.P.Sarkar, International Conference on Computer, Communication, Control and Information Technology(C3IT-2012), February 25-26, 2012 held in A.O.T., Pp 24-24
- An Improved Gauss-Newtons Method based Back propagation Algorithm for Fast Convergence, S.Nandi, P.P.Sarkar, A.Das, International Journal of Computer Applications (0975-8887), Volume 39, No-8, February 2012, Pp-1-7
- 366. Effect of periodicity and Arm-Width of E and L Slots on the Compactness of FSS, R.Ghosh, S.Sarkar, D.Sarkar, P.P.Sarkar, IJECT Vol.3, Issue 1, Jan.-March 2012, ISSN: 2230-9543, Pp-1-4
- 367. Investigations on Ultra Wide Band Array Antennas with very high Gain, M.Kahar, A.Ray, D.Sarkar, P.P.Sarkar, All India Inter Engineering College Academic Meet 2012, 31st March, Organised by FOSET(Best paper)., Pp- 1-10

DEPARTMENT OF ECOLOGICAL ENGINEERING & ENVIRONMENTAL MANAGEMENT

- 368. Rana, S., Bag S. K., B.B. Jana and J. K. Biswas. 2013Seasonal distribution of cadmium among components ofsewage treatment ponds: An eco-tech for heavy metalremediation. *International Journal of Environmental Scienceand Technology* 10: 1103-1114 (Springer; ISSN: 1735-1472; Impact Factor: 2.403)
- 369. Biswas, J.K. and S. Rana 2013.Treatment wetlands as ecotechnological tools for regenerative reclamation of wastewater: experiences from working with Kalyani Model. *Journal of Clean Energy Technologies* 2(1): 23-27 (ISSN: 1793-821X).
- 370. J.K. Biswas. 2013. Global warming induced ecological meltdown: Life on the edge. Proceedings of the State Level Seminar on Literature and Environment organized by Centre for Development Studies and Research.
- 371. J.K. Biswas. 2013. Biodiversity meltdown by global warming as a weapon of mass destruction: An account of colossal ecological tragedy. Proceedings of the National Conference on Challenges in Biodiversity Conservation and Resource Management. University of Kalyani;

DEPARTMENT OF RURAL DEVELOPMENT AND MANAGEMENT

- 372. Yojana(English), ISSN- 0971-8400, A monthly magazine on Development published bythe Ministry of I&B, Government of India.Community Water and Sanitation Services – Role of Panchayati Raj in Providing the Basics of Public Health. February 2014, in Web Exclusives.
- 373. Yojana(Bengali), ISSN-0971-8400, A monthly magazine on Development published by the Ministry of I&B, Government of India.
- 374. Swanijukti O Sarasmela:Bikash ebong Prasar(Self-employment and Sarasmela: origin and Development); October 2013.
- 375. Bharote Khadya Suraksha O Khadyer Adhikar etc.(Food Security and Right to Food in India etc.); December 2013.
- 376. Ganatantra O Bikendrikaran etc.(Democracy and Decentralisation etc.); March 2014.Gender Budget etc. April 2014.Journal of Rural Development (ISSN: 0970-3357) Performance of District Councils in Panchayati Raj: The West Bengal Experience, PEER REVIEWED JOURNAL WITH IMPACTFACTOR 4.5, Vol. 28, No.1 Jan-Mar 2009.
- 377. "Solid Waste Hazards and Strategies for Better Management", UGC DEB Sponsored National Seminar on "Understanding Hazards and their Mitigation Options": Netaji Subhas Open University (School of Science)
- 378. E-Waste and Environment Challenges for its Management" UGC DEB Sponsored National Seminar on "Understanding Hazards and their Mitigation Options": Netaji Subhas Open University (School of Science)
- 379. "Solid Waste Hazards and Strategies for Better Management", UGC DEB Sponsored National Seminar on "Understanding Hazards and their Mitigation Options": Netaji Subhas Open University (School of Science), March 28-29, 2014.
- 380. "E-Waste and Environment Challenges for its Management" UGC DEB Sponsored National Seminar on "Understanding Hazards and their Mitigation Options": Netaji Subhas Open University (School of Science), March 28-29, 2014

- 381. Commercialization of Microfinance and Ethical Issues: Lessons from India", Deptt. of Economics and Political Science, Berhampore Girls College, Murshidabad
- 382. Combating Initiatives for Global Climate Change-Policy Options from India" Tarakeswar Degree College, Tarakeswar, Hooghly
- 383. Microinsurance A Tool for Risk Management and Upliftment of Rural People in India", P. K Roy Memorial College, Dhanbad
- 384. MSME Cluster and Livelihood of Rural Artisans: A Study of Dhokra Artisans of Dariapur village of Aushgram, Burdwan, Department of Commerce, University of Kalyani, Nadia
- 385. Micro-insurance in India: Insurance for marginalized people", Department of Commerce, University of Kalyani, Nadia, West Bengal
- 386. Financial Reporting Using XBRL: In Indian Context", Deptt. of Commerce and Management Studies, Andhra University & IAA, Visakhapatnam Branch.
- 387. "Accounting and Financial Reporting of Not-for-profit Organisation in India- Some Critical Issues", Department of Business Management, University of Calcutta in Collaboration with IAA Kolkata Branch
- 388. "Electronic Financial Reports Using XBRL: The Indian Context", Contemporary Technological, Social and Management Issues- Theoretical and Conceptual Perspectives, Debdas Ganguly (Ed.), Haldia Institute of Technology, Haldia, West Bengal.
- 389. "Socio-Economic Empowerment of Women through a Spell of SHG Movement & Microfinance Initiative in North 24 Parganas of West Bengal", UGC Sponsored National Seminar on Women Empowerment and Rural Development: Role of Microfinance, Deptt. of Economics and Political Science, Berhampore Girls College, Murshidabad, November 23-24, 2013.
- 390. Ujjal Marjit, Kumar Sharma, Utpal Biswas Exposing MARC 21 Format for Bibliographic Data as Linked Data With Provenance, Journal of Library Metadata (Special Issue: Linked Data, Semantic Web and Libraries), Vol-13, Issues 2-3, pp.212-229, 2013, ISSN- 1938-6389 (Print), 1937-5034 (Online). Taylor & Francies (Impact Factor: 0.83)
- 391. Ujjal Marjit, Kumar Sharma, Arup Sarkar, Madaiah Krishnamurthy "Publishing Legacy Data as Linked Data: A State-of-the-Art Survey", Library Hi Tech, Emerald, Vol. 31 Issue: 3, pp.520 – 535, 2013, ISSN: 0737-8831. (Impact Factor: 0.963)(SSci Index)
- 392. Arup Sarkar, Ujjal Marjit, Utpal Biswas, "Semi-Automatic Mapping Generation for the DBpedia Information Extraction Framework", (2013), International Journal of Advanced Computer Research (IJACR), Vol. 3, Number 1, Issue 8,pp. 248-252, Print ISSN: 2249-7277, Online ISSN: 2277-7970. (Impact Factor: 1.863)
- 393. Ujjal Marjit, Kumar Sharma, Utpal Biswas "Transferring MARC21 Format for Bibliographic Data to RDF: A Semantic Approach,pp.897-905 "In Proceedings of 58th International Library Conference of Indian Library Association (ILA) on "Next Generation Libraries: New Insights and Universal Access to Knowledge (ILANGL-2013)" Dharwad, February 24th -27th, 2013, India, ISBN: 81-85216-46-0.
- 394. Ujjal Marjit, Kumar Sharma, Utpal Biswas "Publishing MARC 21 Format for Bibliographic Data as Linked Data With Provenance" In Proceedings of 9th International CALIBER-2013, pp.124-133, 2013, ISBN-9789381232033.
- 395. Arup Sarkar, Ujjal Marjit and Utpal Biswas "Towards Bengali DBpedia," In Proceedings of International Conference on Computational Intelligence: Modeling Techniques and Applications (CIMTA-13) 2013, Procedia Technology, Elsevier, Vol. 10, pp. 890-899, ISSN: 2212-0173

DEPARTMENT OF BIOCHEMISTRY & BIOPHYSICS

- 396. Role of proteases in cellular dysfunctions. Editors: S. Chakraborti (Kalyani University) & N.S.Dhalla (University of Manitoba), Published by Springer, New York (2013).
- 397. Regulation of lipoprotein associated phosphlipase A₂ (LpPLA2): A brief overview. Chakraborti *et al. In* Phospholipases in health and disease. *Eds*: P.Tapia and N.S.Dhalla; Springer, New York (2014)
- 398. Exercise and matrix metalloproteases in health and disease. S. Chakraborti *et al. In* Proteases in Cellular Dysfunctions. Eds: S. Chakraborti and N. S. Dhalla; Springer, New York (2013)
- 399. An Overview of Endoplasmic Reticulum Calpain System. S Chakraborti *et al. In* Proteases in Cellular Dysfunctions. Eds: S. Chakraborti and N. S. Dhalla; Springer, New York (2013)
- 400. Matrix Metalloprotease-2 in the Development and Progression of Cardiovascular Diseases. S. Chakraborti *et al In* Proteases in Health and Disease. *Eds:* S. Chakraborti and N. S. Dhalla; Springer, New York (2013)
- 401. Regulation of MT1-MMP activation and its relevance to disease processes. S. Chakraborti *et al In* Proteases in Cellular Dysfunctions. *Eds*: S. Chakraborti and N. S. Dhalla; Springer, New York (2013)
- 402. Identification, purification and partial characterization of low molecular weight protein inhibitor of Na⁺/K⁺-ATPase from pulmonary artery smooth muscle cells. Rahaman SM, Dey K, Das P, Roy S, Chakraborti T, Chakraborti S. Mol Cell Biochem. (2014) 393(1-2):309-17. (Impact factor 2.3)
- 403. Activation of proMMP-2 by U46619 occurs via involvement of p(38)MAPK NFκB-MT1MMP signaling pathway in pulmonary artery smooth muscle cells. Chowdhury A, Roy S, Chakraborti T, Dey K, Chakraborti S. Mol Cell Biochem. (2014) 385(1-2):53-68. (Impact factor 2.3)
- 404. Effect of m-calpain in PKCalpha-mediated proliferation of pulmonary artery smooth muscle cells by low dose of ouabain.Shaikh S, Sarkar J, Pramanik A, Karmakar K, Chakraborti S.Indian J Biochem Biophys. (2013) 50(5):419-27(Impact factor 1.0)
- 405. Role of PKC-ζ in NADPH oxidase-PKCα-Giα axis dependent inhibition of β-adrenergic response by U46619 in pulmonary artery smooth muscle cells. Chakraborti S, Roy S, Mandal A, Chowdhury A, Chakraborti T. Arch Biochem Biophys. (2013) 540(1-2):133-144. (Impact factor 3.3).
- 406. Role of phospholemman and the 70 kDa inhibitor protein in regulating Na⁺/K⁺ ATPase activity in pulmonary artery smooth muscle cells under U46619 stimulation. Dey K, Rahaman SM, Chakraborti T, Chakraborti S. FEBS Lett. (2013) 587(21):3535-40 (Impact factor 3.5).
- 407. PhD degree awarded for Soni Shaikh under the guidance of Prof. Sajal Chakraborti. Title of the thesis: *Identification, purification and partial characterization of m-Calpain in caveolae of pulmonary artery smooth muscle*.
- 408. Swarup Roy and Tapan Kumar Das, (2014), Biosynthesis of Silver Nanoparticles by Aspergillus foetidus: Optimization of Physicochemical Parameters, Nanoscience and Nanotechnology Letter, 6 (3)181-188. [IF-1.444]
- 409. Swarup Roy and Tapan Kumar Das, (2014) "Spectroscopic studies of interaction between biologically synthesized silver nanoparticles and bovine serum albumin", Journal of Nanoscience and Nanotechnology 14 (7) 4899-4905. [IF-1.34]
- 410. Shatarupa Chakraborty, Abhishek Mukherjee, A.R. Khudabox and Tapan Kumar Das,(2014) Cadmium induced oxidative stress tolerance in cadmium resistant *Aspergillus foetidus* : its possible role in cadmium bioremediation. Ecotoxicology and Environmental Safety. 106, 46-53[IF-2.482]

- 411. Swarup Roy and Tapan Kumar Das, (2014), Investigation of Interaction Between Casein Enzyme Hydrolysate and Biosynthesized Silver Nanoparticles by Spectroscopy, Nanoscience and Nanotechnology Letter, 6 (3) 547-554 [IF-1.444]
- 412. Swarup Roy, and Tapan Kumar Das: "Spectroscopic study of interaction between casein and biosynthesized Silver nanoparticles", (2013), National Conference on Condensed Matter Physics, Condensed Matter Days 13, held on 29-31 August, at the National Institute of Technology, Rourkela, Odisha, p-74, 107.
- 413. Swarup Roy, and Tapan Kumar Das: "Spectroscopic study of interaction between Bovine Serum Albumin and biosynthesized Silver nanoparticles", (2013), Frontier in Modern Biology 2013 (FIMB 2013), held on 9-10 November, at IISER Kolkata, Mohanpur, West Bengal, pp-76.
- 414. Swarup Roy, and Tapan Kumar Das: "Spectroscopic study of interaction between casein and biosynthesized Silver nanoparticles", (2013), DAE-BRNS 7th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials, November 14-16, 2013, IIT Kharagpur, Kharagpur, West Bengal, pp-1.34, 59.
- 415. Swarup Roy, Raj kumar nandi, Krishna Chandra Majumder, and Tapan Kumar Das. (2013) Investigation of the interaction between pyrimidine-annulated spiro dihydrofurans and bovine serum albumin by spectroscopy methods. UGC-sponsored Two-day National Seminar on Current Trends in Chemistry, December 23-24,2013, Department of Chemistry, Sripat Singh College, Jiaganj, Murshidabad, West Bengal, p-54.
- 416. Tina Nasrin, Swarup Roy and Tapan Kumar Das. (2013) Stabilization studies of biosynthesized CdS nanoparticles and its interaction with Bovine Serum Albumin. UGCsponsored Two-day National Seminar on Current Trends in Chemistry, December 23-24,2013, Department of Chemistry, Sripat Singh College, Jiaganj, Murshidabad, West Bengal, OP-25, 41
- 417. Tina Nasrin, Swarup Roy, and Tapan Kumar Das: "Aspergillus foetidus mediated biosynthesis of CdS nanoparticles", (2013), International Conference on Nanotechnology 2013 (ICNT 2013), held on 25-26 th October, at Haldia Institute of Technology, Haldia, West Bengal. ISBN 978-81-927756-0-9, 117.
- 418. Triparna Mukherjee, Shatarupa Chakraborty and Tapan Kumar Das, "A new era of heavy metal bioremediation with carbonized *Aspergillus sp.* cell adhered silver nano particle', Nano Horizous, p-78, 4th-6th December 6th Bangalore India Nano 2013, Bangalore, India
- 419. Swarup Roy, and Tapan Kumar Das: "Spectroscopic study of interaction between extracellular protein and biosynthesized silver nanoparticles", International conference on Recent Advances in Physics for Interdisciplinary Developments (ICRAPID), 23-24, January, 2014, at Sathyabama University, Chennai-600119. P-56, ISBN 978-93-83409-01-3, (Presented a poster).
- 420. Swarup Roy and Tapan Kumar Das . SPECTROSCOPIC INTERACTION STUDIES BETWEEN BIOSYNTHESIZED SILVER NANOPARTICLE AND CALF THYMUS DNA . International Conference on Nanoscience and Nanotechnology to be held 12th-13thAugust2014, Colombo, Sri Lanka (Accepted for oral presentation
- 421. Banik M, Basu T Calcium phosphate nanoparticles: a study of their synthesis, characterization and mode of interaction with salmon testis DNA. *Dalton Transact* (2014) 43, 3244-3259 [I.F. 3.806].
- 422. Singha Roy S, Patra M, Nandy SK, Banik M, Dasgupta R and Basu T In vitro holdase activity of *E. coli* small heat-shock proteins IbpA, IbpB and IbpAB: a biophysical study with some unconventional techniques. *Protein Pept Lett* (2014) [PMID: 24364870] [I.F. 1.994].
- 423. Banik M, Mukherjee R, Patra M, Chatterjee AK, Chakraborty R, Chattopadhyay AP, Basu T Spectrofluorimetric study on in vitro interaction between calcium phosphate nanoparticle and

- 424. Chatterjee AK, Chakraborty R, Basu T Mechanism of antibacterial activity of copper nanoparticles. *Nanotechnology* [I.F. 3.84]
- 425. One graduate student submitted his Ph.D. thesis entitled "Studies on the Mechanism of Antimicrobial Activity of Copper Nanoparticle"
- 426. Ghosh R.*, Guha D., Bhowmik S. and Karmakar S.(2013)Mechanism of the bystander effect by ultra-violet C light in A375 cells. Mutat. Res. 757: 83– 90 (Elvevier) ISSN:1383-5718] [I.F. – 3.050]
- 427. Kumar Y.P., Bhowmik S., Das R.N., Bessi I., Paladh S., Ghosh R., Schwalbe H., Dash J. (2013) A Fluorescent Guanosine Dinucleoside as a Selective Switch-On Sensor for *c-myc* Gquadruplex DNA with Potent Anticancer Activities. Chemistry: A European Journal (Online) (ISSN: 1521 – 3765) DOI: 10.1002/chem.201302107 [IF -5.831]
- 428. Kumar Y.P., Bhowmik S., Das R.N., Bessi I., Paladh S., Ghosh R., Schwalbe H., Dash J. (2013) A Fluorescent Guanosine Dinucleoside as a Selective Switch-On Sensor for *c-myc* Gquadruplex DNA with Potent Anticancer Activities. Chemistry: A European Journal-Inside Cover (Online) (ISSN: 1521 – 3765) DOI: 10.1002/chem.201302107 [IF -5.831]
- 429. Ghosh R, Girigoswami K., Guha D. (2013) Caspase Dependent Apoptosis is Only Inhibited on Γ Irradiation of Cells Conditioned by Repetitive Oxidative Stress. Intl. J. of Sc. and Res. 2(9): 12 -18. [Online ISSN: 2319-7064].
- 430. R. Ghosh Effects of exposure to microgravity on human health. In proceedings of Orientation Course organized by Academic Staff College, University of Burdwan, Burdwan, W.B.
- 431. R. Ghosh The Biology of Cancer. In proceedings of Orientation Course organized by Academic Staff College, University of Burdwan, Burdwan, W.B.
- 432. Protective role of supernatant medium from UV treated cells in cultured mammalian cells.submitted by Ph.D. student Dipanjan Guha
- 433. Das P, Md Alam N, De T, Chakraborti T: Proteases as Virulence Factors in Leishmania: Focus on Serine Proteases as Possible Therapeutic Targets. S. Chakraborti and N.S. Dhalla (eds.), Proteases in Health and Disease, 135 Advances in Biochemistry in Health and Disease 7, DOI 10.1007/978-1-4614-9233-7_9, © Springer Science+Business Media New York 2013.
- 434. Samanta K, Kar P, Chakraborti T: An Overview of Endoplasmic Reticulum Calpain System. S Chakraborti. S. Chakraborti and N.S. Dhalla (eds.), Proteases in Health and Disease, 135 Advances in Biochemistry in Health and Disease 7, DOI 10.1007/978-1-4614-9233-7_9, © Springer Science+Business Media New York 2013. (Citation 0)
- 435. Roy S, Chakraborti T, Shaikh S, Chowdhury A, Chakraborti S: Matrix Metalloprotease-2 in the Development and Progression of Cardiovascular Diseases.. S. Chakraborti and N.S. Dhalla (eds.), Role of Proteases in Cellular Dysfunction, Advances in Biochemistry in Health and Disease 7, DOI 10.1007/978-1-4614-9233-7_9, Springer Science+Business Media New York 2013.
- 436. Roy S, Chakraborti T, Chowdhury A, Dey K, Chakraborti S: Regulation of MT1-MMP activation and its relevance to disease processes. Advances in Biochemistry in Health and Diseases. S. Chakraborti and N.S. Dhalla (eds.), Proteases in Health and Disease, 135 Advances in Biochemistry in Health and Disease 7, DOI 10.1007/978-1-4614-9233-7_9, © Springer Science+Business Media New York 2013.
- 437. Rahaman SM, Dey K, Das P, Roy S, Chakraborti T, Chakraborti S.Identification, purification and partial characterization of low molecular weight protein inhibitor of Na+/K+-ATPase from pulmonary artery smooth muscle cells Mol. Cell. Biochem. In Press (2014), 393(1-2): 309-317. (Impact factor 2.3).

- 438. Chakraborti S, Roy S, Mandal A, Chowdhury A, Chakraborti T. Role of PKC- ζ in NADPH oxidase-PKCα-Giα axis dependent inhibition of β-adrenergic response by U46619 in pulmonary artery smooth muscle cells. Arch Biochem Biophys. (2013) 540(1-2):133-44. (Impact factor 3.3).
- 439. Chowdhury A, Roy S, Chakraborti T, Dey K, Chakraborti S. Activation of proMMP-2 by U46619 occurs via involvement of p(38)MAPK-NFκB-MT1MMP signaling pathway in pulmonary artery smooth muscle cells. Mol Cell Biochem. 2013; 385(1-2):53-68. (Impact factor 2.3)
- 440. Dey K, Rahaman SM, Chakraborti T, Chakraborti S: Role of phospholemman and the 70 kDa inhibitor protein in regulating Na+/K+ ATPase activity in pulmonary artery smooth muscle cells under U46619 stimulation.. FEBS Lett. 2013; 587(21):3535-40 (Impact factor 3.5).
- 441. Das P, Md Alm N,Paik D, Karmakar K, De T, Chakraborti T Protease Inhibitors in Potential Drug Development for Leishmaniasis. P. Indian J Biochem Biophys (2013) 50(5)363-376 (Impact factor 1.026)
- 442. Bhuyan, R., Nandy, S. K., & Seal, A. (2014). An in silico structural insights into Plasmodium LytB protein and its inhibition. Journal of Biomolecular Structure and Dynamics, (ahead-ofprint), 1-13. IF: 2.983
- 443. Rajabrata Bhuyan, Alpana Seal. A structural investigation on Plasmodium LytB protein and its inhibition in Annual Conference of Indian Biophysical Society entitled "Molecular Architechure, Dynamics and Assembly in Living Systems", vol-1, p-45, 2014.
- 444. Manish Paul, Alpana Seal. Modeling of human aquaporins and its induced inihibition by mercury in Annual Conference of Indian Biophysical Society entitled "Molecular Architechure, Dynamics and Assembly in Living Systems", vol-1, p-137, 2014.
- 445. Hypoglycosylation of dystroglycan due to T192M mutation: A molecular insight behind the fact. S Bhattacharya, A Das, R Dasgupta, A Bagchi (2013) Gene (Just Accepted) DOI information: 10.1016/j.gene.2013.11.071. I.F.: 2.196 ISSN: 0378-1119
- 446. In vitro holdase activity of E. coli small heat-shock proteins IbpA, IbpB and IbpAB: a biophysical study with some unconventional techniques. Sourav Singha Roy, Monobesh Patra, Suman Kumar Nandy, Milon Banik, Rakhi Dasgupta, Tarakdas Basu. (2013) Protein & Peptide Letters (Just Accepted). I.F.: 1.994 ISSN: 1875-5305 (Online) 0929-8665 (Print)
- 447. Simanti Bhattacharya, Amit Das, Rakhi Dasgupta and Angshuman Bagchi. DP 71 AND BETA DYSTROGLYCAN INTERACTION:A MOLECULAR MODELING APPROACH TO UNDERSTAND DUCHENNE MUSCULAR DYSTROPHY. JOURNAL OF PROTEINS AND PROTEOMICS 4(2), December 2013, pp. 101-107.
- 448. Amit Das, Simanti Bhattacharya, Angshuman Bagchi* and Rakhi Dasgupta. STRUCTURAL INSIGHT INTO THE FORMIN BINDING PROPERTY OF HUMAN FORMIN BINDING PROTEIN 4. JOURNAL OF PROTEINS AND PROTEOMICS 4(2), December 2013, pp. 93-100.(ISSN No. 0975-8151)-
- 449. "International Conference on Electron Microscopy and XXXIV Annual Meeting of the Electron Microscope Society of India (EMSI)", July 3-5, 2013 Organized by Saha Institute of Nuclear Physics (SINP), Kolakta and Electron Microscope Society of India (EMSI), EastZone Chapter
- 450. "International Conference on Electron Microscopy and XXXIV Annual Meeting of the Electron Microscope Society of India (EMSI)", July 3-5, 2013 Organized by Saha Institute of Nuclear Physics (SINP), Kolakta and Electron Microscope Society of India (EMSI), EastZone Chapter
- 451. An in vitro study on the holding chaperone activity of *E. coli* small heat-shock proteins IbpA and IbpB Sourav Singha Roy, Monobesh Patra, Rakhi Dasgupta, and Tarakdas Basu.

Department of Biochemistry and Biophysics, University of Kalyani, Kalyani – 741 235, West Bengal, India. EPABX: (033) 2582 8378, 2582 8286, FAX: 00-91-33-25828282

- 452. International Conference on Nanoscience & Nanotechnology, March 8 -10, 2014, organised by Dept. Of Applied Physics, Aligarh Muslim University, Aligarh. Nano-Ceria – A new way of fighting against degenerative tendencies of free radicals.Debanjan Dutta, Riya Mukherjee, Prof. Tarakdas Basu, Dr. Rakhi Dasgupta*. Department of Biochemistry and Biophysics, University of Kalyani, Kalyani – 741 235, West Bengal.
- 453. Structural analyses of the permease like protein SoxT: a member of the sulfur compound metabolizing *sox* operon. Angshuman Bagchi
- 454. Gene (Hi index/ Impact Factor: 2.371), 2013, Vol. 521, Pg. no. 207-210
- 455. Hypoglycosylation of dystroglycan due to T192M mutation: A molecular insight behind the fact
- 456. Simanti Bhattachrya, Amit Das, Semanti Ghosh, Rakhi Dasgupta and Angshuman Bagchi (Corresponding author)Gene (Hi index/ Impact Factor: 2.371), 2014, Vol. 537, Pg. no. 108-114 (Received 178 views up-till February, 2014 after its online appearance in December, 2013)
- 457. Mutation study of DsrM from Allochromatium vinosum using the amino acid sequences Semanti Ghosh and Angshuman Bagchi (Corresponding author)Meta Gene (Elsevier), ISSN: 2214-5400, 2013, Vol.1, Pg. no. 33-42
- 458. Analysis of Features from Protein-Protein Hetero-Complex Structures to Predict Protein Interaction Interfaces using Machine LearningAngshuman BagchiProcedia Technology (Elsevier), ISSN: 2212-0173, 2013, Vol. 10, Pg. no. 62-66
- 459. Structural Analysis of the Interactions of SoxB Protein with SoxYZ complex from *Allochromatium vinosum* in the global sulfur Oxidation Cycle. Sujay Ray and Angshuman Bagchi (Corresponding author)Computational Molecular Biology, ISSN: 1927-5587, Vol.3, No.1 1-5. (doi: 10.5376/cmb.2013.03.0001)
- 460. Amino Acid Sequence Comparison of DsrP Protein from Proteobacteria to Analyze the Probable Molecular Mechanism of Sulfur Oxidation Process. Semanti Ghosh and Angshuman Bagchi (Corresponding author). The Open Structural Biology Journal, ISSN:1874-1991, Vol. 5, Pg. no. 1-10
- 461. Prediction of possible interaction of SoxK with SoxXA complex in Allochromatium vinosum through Protein-protein docking: An in-silico approach. Sujay Ray and Angshuman Bagchi (Corresponding author)International Journal of Computational Bioinformatics and In-Silico Modelling, ISSN:2320-0634, Vol.2, Pg. no. 128-131
- 462. Molecular Modelling Tools: A mini review. Sujay Ray and Angshuman Bagchi (Corresponding author)Novus International Journal of Engineering Technology, ISSN: 2320-7991, Vol.1, Pg. no. 28-36
- 463. Sequence based protein structure prediction software tools (Review Article). Angshuman Bagchi. Research- an Open Access Journal (ISSN: 2334-1009) by Labome.org, 2014
- 464. DP 71 and Beta Dystroglycan Interaction: A Molecular Modeling Approach to Understand Duchenne Muscular Dystrophy Simanti Bhattacharya, Amit Das, Rakhi Dasgupta and Angshuman Bagchi (Corresponding Author) Journal of Proteins and Proteomics, Vol. 4, Pg. no. 101-107
- 465. Structural insight into the Formin binding property of human Formin binding protein 4Amit Das, Simanti Bhattachrya, Angshuman Bagchi (Corresponding author) and Rakhi Dasgupta Journal of Proteins and Proteomics, Vol. 4, Pg. no. 93-100

- 467. "Analysis of Features from Protein-Protein Hetero-Complex Structures to Predict Protein Interaction Interfaces using Machine Learning" (Oral Presentation) First International Conference on Computational Intelligence: Modelling, Techniques and Applications (CIMTA – 2013), during September 27-28, 2013, organized by Department of Computer Science & Engineering, University of Kalyani
- 468. Atanu Ghorai, Nitai P. Bhattacharyya, Asitikantha Sarma and <u>Utpal Ghosh</u> (2014); Radiosensitivity and induction of apoptosis by high LET carbon ion beam and low LET gamma radiation: A comparative study, Scientifica (Accepted). (IF=1.7)
- 469. miRNA gene counts in chromosome vary widely in a species and biogenesis of miRNA largely depends on transcription or post-transcriptional processing of coding genes. Atanu Ghorai, Utpal Ghosh. Front Genet. (2014) Apr 29;5:100. doi: 10.3389/fgene.2014.00100. eCollection 2014.(IF=computing)
- 470. Synthesis of novel pyrano[3,2-f]quinoline, phenanthroline derivatives and studies of their interactions with proteins: an application in mammalian cell imaging. K.C. Majumdar, Sudipta Ponra, Tapas Ghosh, Ratan Sadhukhan, Utpal Ghosh Eur J Med Chem 2013 (in press) [I.F = 3.5, Elsevier]

DEPARTMENT OF BOTANY

- 471. Mukherjee, S. and Datta, A. K. 2013. Induced Genetic Male Sterility in Nigella sativa L. (Black Cumin). Cytologia. 78(1): 105-111.
- 472. Mandal, A., Gupta, S., Datta, A. K., da Silva, J. A. T. and Datta, S. 2013. Pollen morphology of eight Corchorus spp. (Tiliaceae) and how their interrelationship aid efficient breeding. Int. J. Plant Breed. (Global Science Books) 7(2):101-105.
- 473. Mukherjee, S., Mandal, A., Gupta S. and Datta, A.K. Pollination events in Nigella sativa L. (black cumin). Int. J. Res. Ayurveda Pharm. 4(3): 342-344.
- 474. Mandal, A., Datta, A. K., Datta, S. and Gupta, S. 2013. Genetic assessment of eight Corchorus spp. (Tiliaceae) using RAPD and ISSR markers. Nucleus. 56(1): 23-30. DOI: 10.1007/s13237-013-0076-6
- 475. Mandal, A., Datta, A.K., Datta, S., Gupta, S., Ghosh, B.K. and Sengupta, S. 2013. Assessment of stability and viability of a jute hybrid (Corchorus capsularis L. × C. trilocularis L.) and its trueness based on RAPD markers. Nucleus 56(3): 163-170.
- 476. Das, S.K., Mandal, A., Datta, A.K., Gupta, S., Paul, R., Saha, A., Sengupta, S. and Dubey, P.K. Nucleotide Sequencing and Identification of Some Wild Mushrooms. World Sci J. Volume 2013 (2013), Article ID 403191, 7 pages. http://dx.doi.org/10.1155/2013/403191 PMID: 24489501PMCID: PMC3893008
- 477. Ghosh BK., Mandal A, Datta AK, and Das D. 2014. RAPD analysis in Andrographis paniculata (Burm. F.) Ness plant types. International Journal of Research in Ayurveda & Pharmacy 5(6): 5(1): 84–88
- 478. Das, S.K., Mandal, A., Datta, A.K., Das, D., Paul, R., Saha, A., Sengupta, S. Gupta, S., and Halder, S. 2014. Identification and Value of Wild Edible Mushrooms from Tropical Dry Deciduous Forest of Eastern Chota Nagpur Plateau, West Bengal, India. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences. DOI: 10.1007/s40011-014-0330-y

- 479. Samanta, A., Datta, A.K., and Datta, S. 2014. Study on Folate Binding Domain of Dihydrofolate Reductase in Different Plant species and Human beings. Bioinformation 10(2): 101–104.
- 480. Mandal, A., and Datta, A. K. 2014. New Plant Type Mutants in Jute (Corchorus olitorius L.). Indian J Sci Tech. 7(5): 1-11.
- 481. Mandal, A., and Datta, A. K. 2014. Stability analysis of a high fibre yield and low lignin content 'thick stem' mutant in tossa jute (Corchorus olitorius L.). BioMed Research International Volume 2014 (2014), Article ID 539869, 9 pages. http://dx.doi.org/10.1155/2014/539869
- B.S. Datta & Chakrabartty P.K. (2013); Siderophore biosynthesis genes of *Rhizobium* sp. isolated from *Cicer arietinum* L. DOI: 10.1007/s13205-013-0164-y: 3 Biotech (ISSN 2190-572X)
- B.S. Datta & Chakrabartty P.K. (2013); Characterization of a Tn5-induced siderophore overproducing mutant of *Rhizobium* nodulating chickpea J.Mycopathol. Res. 51(1): 43-47. (ISSN 0971-3719)
- 484. *GeneBank Accessions:*KF826029. *Trichoderma* sp. KUF14 rRNA gene, partial sequence. Datta,B.S. 2013.
- 485. *GeneBank* KF242535. *Ralstonia* sp. KUCd7 16S ribosomal RNA gene, partial sequence. Paul, A., Datta, B.S. 2013.
- 486. Das N., Birja P., Mishra S., Bhattacharrya B. and Sengupta C. (2012) Comparative studies of antibacterial properties of three *Pleurotus* species (Oyster mushroom). *Nature and Sci.* 10 (10): 178-183.
- 487. Dasgupta N., Nandy P., Sengupta C. Das S. (2012) Salinity impact on the precarious mangroves: a biochemical study on some taxa from Indian Sunderbans. *Amer J. Pl. Physiol.* 7(2): 53-69. ISSN: 1557 - 4539
- 488. Dasgupta N., Nandy P., Sengupta C., Das S. (2012) Protein and enzyme regulation towards salt tolerance of some Indian mangroves in relation to adaptation. *Trees* 26: 377-391. ISSN: 0931-1890
- 489. Dasgupta N., Nandy P., Sengupta C., Das S. (2012) Salinity mediated biochemical changes towards differential adaptability of three mangroves from Indian Sunderbans. J. Pl. Biochem. Biotechnol. 23: 33-43. I SSN: 0974-1275
- 490. Dhar T., Ghosh P. D. and Sengupta C. (2012) Oils and methanol extracts of five *Ocimum* species against pathogenbacteria. *J. Food Sci*.21:31-35. ISSN: 0022-1147
- 491. Ghosh P. D., Chattopadhyay S., Adhikari S., Saha S., Mondal S., Kader A., Dey S. T., Bandhopadhyay T. K. and Sengupta C. (2013) A high throughput DNA extraction method from chemotypically heterogeneous plant species. *Nature Protocol Exchange* 1-7. ISSN · 1754-2189
- 492. Saha S., Dhar T. K., Sengupta C. and Ghosh P. D. (2013) Biological activities of essential oils and methanol extracts of five *Ocimum* species against pathogenic bacteria. *Czech J. Food Sci.* 3(2): 194-202. ISSN 1805-9317
- 493. Saha S., Kader A., Sengupta C. and Ghosh P. D. (2012) *Invitro* propagation of *Ocimum gratissimum* L. (Lamiaceae) and its evaluation of genetic fidelity using RAPD marker *Amer J. Pl. Sci.* 3:64-74. ISSN: 2158-2742.
- 494. Thesis title: Study on soil microflora and their exploitation as bio-control agents for crop improvement. Name of the student: Mr. Niloy Chakraborty
- 495. Antifungal potentialities of 2, 7, (14), 10 bisabolatriene- 1,9,12 triol, a bisabolene type sesquiterpene isolated from *Curcuma longa* L. and its acetylated derivative; Arghya Ghosh,

Ajoy Ghosh, Parthadeb Ghosh, Padma Chatterjee; Journal of the Botanical Society of Bengal; 67(2), 37-42 (2013)

- 496. Effect of antifungal activity of seven species of *Bauhinia* against *Helminthosporium oryzae*, *Fusarium oxysporum* by spore germination method and *Rhizoctonia oryzae*, *Aspergillus niger* by agar cup method; Arghya Ghosh, Ajoy Ghosh, Aruneema Bardhan and Padma Chatterjee; Natural Products An Indian Journal; 9(2), 55-60 (2013)
- 497. A protocol for rapid propagation of genetically *true to type* Indian Turmeric (*Curcuma longa* L.) through *in vitro* culture technique; Arghya Ghosh, Padma Chatterjee, Parthadeb Ghosh; Advances in Applied Science Research; 4(3), 39-45; (2013)
- 498. Formulation of an antibacterial crop protectant using the acetylated derivative of 2,7,(14),10-Bisabolatriene-1,9,12-triol isolated from *Curcuma longa* L.; Arghya Ghosh, Padma Chatterjee, Parthadeb Ghosh; Asian Journal of Plant Science and Research, 3(3), 95-99 (2013)
- 499. *In vitro true to type* propagation of *Curcuma caesia* Roxb. (Zingiberaceae) and assessment of its genetic fidelity using RAPD marker; Arghya Ghosh, Gautam Saha, Padma Chatterjee, Parthadeb Ghosh; BioTechnology- An Indian Journal; 7(4), 121-130 (2013)
- 500. Isolation, purification and characterisation of 2, 7, (14), 10 bisabolatriene- 1,9,12 triol, a bisabolene type sesquiterpene isolated from *Curcuma longa* L.; Arghya Ghosh, Parthadeb Ghosh and Padma Chatterjee; Natural Products- An Indian Journal; 7(4), 121-130 (2013)
- 501. Evaluation of Antimicrobial and Antifungal potential of (Z)-7-methoxy-1, 5-dihydrobenzo[c] oxepine, isolated from *Curcuma caesia* Roxb.; Arghya Ghosh, Parthadeb Ghosh, Padma Chatterjee; Journal of Scientific and Innovative Research; 2(4), 745-750 (2013)
- 502. Isolation of a novel terpenoid from the rhizome of *Curcuma caesia* Roxb.; Arghya Ghosh, Ayan Bandyopadhyay, Parthadeb Ghosh, Padma Chatterjee; Journal of Scientific and Innovative Research; 2(4), 777-784 (2013)
- 503. Isolation of (Z)-7-methoxy-1, 5-dihydrobenzo[c] oxepine from *Curcuma caesia* Roxb.; Arghya Ghosh, Ayan Bandyopadhyay, Parthadeb Ghosh, Padma Chatterjee; Journal of Scientific and Innovative Research; 2(4), 795-801 (2013)
- 504. Evaluation of the bioactive potentialities of a diacetaldehyde terpenoid isolated from *Curcuma caesia* Roxb.; Arghya Ghosh, Parthadeb Ghosh, Padma Chatterjee; The Journal of Phytopharmacology 2013; 2(4), 1-7 (2013)
- 505. Brine shrimp cytotoxic activity of 50% alcoholic extract of *Croton bonplandianum* Baill.; Ajoy Ghosh and Padma Chatterjee; Asian J Pharm Clin Res; 6(3), 40-41 (2013)
- 506. Effect of aqueous extract of *Croton bonplandianum* Baill. on *Lycopersicon esculentum* Mill. studied in relation to some macromolecules; Ajoy Ghosh and Padma Chatterjee; Natural Products- An Indian Journal; 9(6), 245-250 (2013)
- 507. Effect of aqueous extract of *Croton bonplandianum Baill*. on some growth and developmental parameters of *Lycopersicon esculentum* Mill; Ajoy Ghosh, Padma Chatterjee; J. Botan. Soc. Bengal; 67 (1), 71-74 (2013)
- 508. Evaluation of brine shrimp cytotoxicity of 50% aqueous ethanolic leaf extract of *Clitoria ternatea* L.; Neela Das, Padma Chatterjee; Asian J. Pharm. Clin. Res.; 7(1): 15-17 (2014)
- 509. Antifungal effect of *Clitoria ternatea* 1. leaf extract on seeds of *Pisum sativum*L. in relation to the activities of some enzymes;Neela Das and Padma Chatterjee; International Journal of Research in Ayurveda and Pharmacy (IJRAP67 5(1), 99-101 (2014)
- 510. Evaluation of antimicrobial potentiality of 50% aqueous ethanolic leaf extract of *Clitoria ternatea* L.; Neela Das and Padma Chatterjee; Asian Journal of Pharmaceutical and clinical research; 7 (S 1), 15-17 (2014)

- 511. Evaluation of Antibacterial Potentiality of a Cyclopenta Naphthalene Tetraol Terpenoid Isolated from *Curcuma caesia* Roxb.; Arghya Ghosh, Parthadeb Ghosh, Padma Chatterjee. Research and Reviews: Journal of Botanical Sciences; 3 (1), 27-34 (2014)
- 512. Tuhina Dutta, Padma Chatterjee. Identification of antifungal effect in the leaf extract of *Cassia fistula* L. by agar cup method and isolation of 7- hydroxy flavone by UV spectral analysis; International journal of pharmaceutical & biological archives ; 4 (6), 1213-1221 (2014).
- 513. Ghosh PD (2013) Current strategies for assessment and exploitation of biological resources for sustainable management of crop production. In: *Eco-conservation and sustainable living organisms* (Eds. Gurung C & Bhandari JN). Narosa Publishing House, New Delhi. pp. 31-39.
- 514. Tarafdar A, Biswas KK & Ghosh PD (2014) Molecular chartacterization of Citrus tristeza virus (CTV) genome. In: *Molecular biology of Plant and Microbes* (Ed. Sen A).pp. 1-12.
- 515. Saha S, Dhar TN, Sengupta C, Ghosh PD (2013) Biological activities of essential oils and methanol extract of five *Ocimum* species against pathogenic bacteria. *Czech Journal of Food Scence* 31: 194-202. [IF 0.685].
- 516. Mukhopadhyay M, Ghosh PD, Mondal TK (2013) Effect of Boron Deficiency on Photosynthesis and Antioxidant Responses of Young Tea Plantlets. Russian Journal of Plant Physiology, 60: 633–639. [IF 0.617].
- 517. Ghosh PD, Chattopadhyay SK, Adhikari S, Saha S, Mondal S, Kader A, Dey ST, Bandyopadhyay TK & Sengupta C (2013) A high throughput DNA extraction method from chemotypically heterogeneous plant species. Protocol exchange (Nature Publishing House) doi:10.1038/protex.2013.018.
- 518. Adhikari S, Bandyopadhyay TK & Ghosh PD (2013) Characterization of *Cymbopogon* spp. and prospects of molecular barcoding through arbitrary primer based PCR assay. *International Journal of Indigenous Medicinal Plants* 29: 1151-1160. [IF 3.51]
- 519. Mujib A, Banerjee S, Maqsood M & Ghosh P.D (2013) Organogenesis and plant regeneration in Zephyranthes rosea Lindl.: Histological and chromosomal study. *Plant Biosystems* (DOI:10.1080/11263504.2013.788097). [IF 1.9]
- 520. Ghosh A, Ghosh PD, Chaterjee P (2013) Formulation of an antibacterial crop protectant using the acetylated derivative of 2, 7, (14), 10 Bisabolatriene-1, 9, 12 Triol, isolated from *Curcuma Longa L. Asian Journal of Plant Science and Research* 3: 95-99.
- 521. Ghosh A, Ghosh PD, Chaterjee P (2013) A protocol for rapid propagation of genetically true to type Indian Turmeric (*Curcuma longa* L.) through in vitro culture technique. *Advances in Applied Science Research* 4:39-45.
- 522. Ghosh A, Bandyopadhyay A, Ghosh PD, Chaterjee P (2013) Isolation of (Z)- 7 methoxy-1, 5dihydrobenzo[c] oxepine from *Curcuma caesia* Roxb. *Journal of Scientific and Innovative Research* 2: 795-801.
- 523. Ghosh A, Ghosh PD, Chaterjee P (2013) Evaluation of antibacterial and antifungal potential of (Z)- 7 methoxy-1, 5- dihydrobenzo[c] oxepine, isolated from *Curcuma caesia* Roxb. *Journal of Scientific and Innovative Research* 2: 745-750.
- 524. Ghosh A, Bandyopadhyay A, Ghosh PD, Chaterjee P (2013) Isolation of novel terpenoid from the rhizome of *Curcuma caesia* Roxb. *Journal of Scientific and Innovative Research* 2: 777-784.
- 525. Ghosh A, Ghosh PD, Chaterjee P (2013) Evaluation of the bioactive potentialities of a deacetyldehyde terpenoid isolated from *Curcuma caesia* Roxb. *The Journal of Phytopharmacology* 2: 1-7.
- 526. Chakraborty A, Ghosh PD (2013) Estimation of variability, diversity and correlation studies with respect to different agro-morphological traits in traditional rice of West Bengal. Oryza 50: 127-131.

- 527. Das SS, Das S, Ghosh PD (2013) Optimization of DNA isolation and RAPD-PCR protocol of *Acanthus volubilis* wall., a rare mangrove plant from Indian Sundarban, for conservation concern. European Journal of Experimental Biology 3:33-38
- 528. Adhikari S, Biswas A, Bandyopadhyay TK & Ghosh PD (2014) A preliminary note on the genetic variation in pointed gourd (*Trichosanthes dioica* Roxb.) as assessed by Random Amplified Polymorphic DNA. Acta Biologica Hungarica (DOI: 10.1556/ABiol.64.2013.4.9). [IF 0.506]
- 529. Adhikari S, Bandyopadhyay TK & Ghosh PD (2014) Assessment of genetic stability of *Cucumis sativus* L. regenerated from encapsulated shoot tips. *Scientia Horticultureae*. 170: 115–122. [IF 1.4]
- 530. Ghosh A, Bondyopadhyay A, Ghosh PD & Chatterjee P (2014) Evaluation of Antibacterial Potentiality of a Cyclopenta Naphthalene Tetraol Terpenoid Isolated from *Curcuma caesia* Roxb. *Research and Reviews: Journal of Botanical Sciences*. 3(1): 27-34.
- 531. Saha S, Sengupta C, Ghosh PD (2014) Molecular and phytochemical analyses to assess genetic stability in alginate-encapsulated microshoots of *Ocimum gratissimum* L. following in vitro storage. *Nucleus* DOI 10.1007/s13237-014-0107-y.
- 532. Adhikari S, Saha S, Bandyopadhyay TK, Ghosh PD (2014) Efficiency of ISSR marker for characterization of *Cymbopogon* germplsms and their suitability in molecular barcoding. Plant Systematics and Evolution. DOI 10.1007/s00606-014-1084-y. [IF 1.3].
- 533. Ghosh A, Ghosh PD, Chaterjee P (2013) Isolation, Purification and Characterization of 2, 7, (14), 10 Bisabolatriene-1, 9, 12 Triol, A Bisabolene type sesquiterpene isolated from Curcuma Longa L. Natural Products: An Indian Journal. 9: 117-122.
- 534. Chakraborty A, Ghosh PD (2013) Characterization of landraces of rice from eastern India. Indian Journal of Plant Genetic Resources 26: 62-67.
- 535. Ghosh A, Saha G, Chatterjee P & Ghosh PD (2013) *In vitro* true to type propagation of *Curcuma Caesia* Roxb. (Zingiberaceae) and assessment of its genetic fidelity using RAPD marker. *Biotechnology: An Indian Journal*. 9: 121-130.
- 536. Ghosh A, Ghosh A, Ghosh PD, Chaterjee P (2013) Antifungal potentialities of 2, 7, (14), 10 Bisabolatriene-1, 9, 12 Triol, A Bisabolene type sesquiterpene and its acetylated derivative isolated from *Curcuma Longa L. Journal of the Botanical Society of Bengal* 67: 37-42.
- 537. Saha S, Sengupta C & Ghosh PD (2014) Emerging technologies in in vitro conservation of Ocimum basilicum L.: chemical profiling and their anticancerus activity using mice model. In: Proc. on "Advances in Plant Molecular Biology and Biotechnology". IISER, Pune. pp. 167.
- 538. Das, D, Pal Pinki & S.Chaudhuri 2014 Interaction of chitin-degrading soil actinomycetes with mycorrhizal colonization of chilli roots" Mycorrhiza News 26 (2) Accepted for publication
- 539. Sarkar S & S. Chaudhuri 2014 Wilt of crops and weeds caused by bacterial strains belonging to Enterobacteriaceae, in West Bengal, India. International Journal for Systematic and Evolutionary Microbiology (UK) Accepted for publication
- 540. Anindita Nan & S Chaudhuri Induction of systemic acquired resistance in *Raphanus sativus* against *Alternaria* black leaf spot disease and variation in the virulence of th pathogen from radish. International Symposium on Role of Fungi & Microbes in the 21st Century A global Scenario, Indian Mycological Society, Kolkata, Feb 20-22,2014.
- 541. Lalliansanga S., T Das, S Chaudhuri, S. Datta and S Das Cultural and morphological variability of Alternaria isolates infecting crucifers and their effect on pathogenicity. International Symposium on Role of Fungi &Microbes in the 21st Century – A global Scenario, Indian Mycological Society, Kolkata, Feb 20-22,2014.

- 542. Flora and Ethnobotany of West Dinajpur District, West Bengal . 2013. Sunit Mitra and Sobhan Kmar Mukherjee. (ISBN 978 8 -121-10738 9) Bishen Singh & Mahendra Pal Singh, Dehra Dun, India.
- 543. Cypselar features of some species of Heliantheae (Compositae):Taxonomic significance of Phytomelanin layer . 2013 . Bidyut Kumar Jana and Sobhan Kumar Mukherjee, LAP LAMBERT Academic Publishing, Saarbrücken, Germany. EUR 49,00 Kostenlose Lieferung. ISBN-13: 978-3659343438
- 544. Cypselar Morphology, Anatomy and Their Taxonomic Significance . 2013. Bidyut Kumar Jana and Sobhan Kumar Mukherjee, (ISBN: 978-3-659-26571-6) LAP LAMBERT Academic Publishing, Saarbrücken, Germany.
- 545. Cypselar Morpho-anatomy act as a Taxonomic Marker 2013. Bidyut Kumar Jana and Sobhan Kumar Mukherjee,. (ISBN: 978-3-659-26445-0) LAP LAMBERT Academic Publishing, Saarbrücken, Germany.
- 546. Talukdar, Tulika and Mukherjee, S. K. 2013. Cypselas diversity of the tribe Cardueae (Family Asteraceae) an overview. In: Cypselas Diversity of the Tribe Cardueae (Family Asteraceae) an Overview (Ed. Talukdar, Tulika). LAP LAMBERT Academic Publishing, Saarbrücken, Germany.(ISBN : 978-3-659-32000-2) pp. 1 74.
- 547. Jana, B. K., Bar, R. R. and Mukherjee, S. K. 3013. Cypselar morphology and anatomy of five species of the tribe Inuleae- Asteraceae. *International Journal of Pharma and BioSciences*. Jan; 4(1): (B) 911 919.
- 548. Jana, B. K. and Mukherjee, S. K. 2013. Morpho anatomical studies of cypselas have been undertaken to solve some of the taxonomic problem. *AARJMD*. 1(5): 42-46.
- 549. Jana, B.K., Bar, R. R. and Mukherjee, S. K. 2013. Structural variations of cypselas of some taxa of the tribe Calenduleae (Asteraceae) on the basis of morphological observation. *International Journal of Research in BioSciences*. 2 (1): 53-58.
- 550. Saha Dipti and Mukherjee, S. K. 2013. Taxonomic significance of petal venation of *Oxalis corniculata* Linn. *J. Econ. Taxon. Bot.* 36(3): 458 463.
- 551. Jana, B. K. and Mukherjee, S. K. 2013. Cypselar characters of some species of the tribe Senecioneae (Asteraceae), on the basis of morphological study. *IJPRBS*. (IMPACT FACTOR : 0.525) 2 (1): 261-266.
- 552. Roy, B., Jana, B. K. and Mukherjee, S. K. 2013. Micromorphological characters of some species of Compositae. *Journal of International Academic Research for Multidisciplinary*. 1 (4): 220-229.
- 553. Roy, S., Mondal, Tiloka and Mukherjee, S. K. 2013. Diversity of cypselar characters in some members of the tribe Inuleae (Asteraceae). *IJPRBS*, (IMPACT FACTOR : 0.525) 2(2) 82 -98.
- 554. Jana, B. K., Saha, S. and Mukherjee, S. K. 2013. A comparative study of petal venation between *Brassica nigra* and *Brassica camprestris*. (ISSN- 2250-0774) *Advance Research in Pharmaceuticals and Biologicals*. 3 (II) :1-5.
- 555. Roy, Bablu, Jana, B. K. and Mukherjee, S. K. 2013. Micromorphological characters of some species of Compositae. *Journal of International Academic Research for Multidisciplinary*. (www.jiarm.com), ISSN. 2320 -5083.1(4) : 220 – 229.
- 556. Jana, B. K. and Mukherjee, S. K. 2013. Morpho Anatomical studies of cypselas have been undertaken to solve some of the taxonomic problem. *Asian Academic*

Research Journal of Multidisciplinary (www.asianacademicresearch.org) . 1(5) : 42 – 46.

- 557. Jana, B. K., Murari, R. and Mukherjee, S. K. 2013. Cypselar Morphology of Twelve Species of the Tribe Lactuceae (Asteraceae).2013. *International Journal of Chemical and Pharmaceutical Research* (ISSN 2319-1716). 2(5) : 135 144.
- 558. Jana, B. K., Maitra, Kuntak and Mukherjee, S. K. 2013. Morpho-Anatomical observation of *Alternanthera Philoxeroides* Griseb. of the family Amaranthaceae. *Unternational Journal of Chemical And Pharmaceutical Research* (ISSN 2319-1716). *Intl. J Chem Pharm Res.* 2(6): 160-166.
- 559. Das, Sudipta Kumar and Mukherjee, S. K. 2013. Comparative morphological, anatomical and palynological observation in *Ageratum conyzoides* and *Ageratum houstonianum* of the family Compositae. *IJPRBS*, (IMPACT FACTOR : 0.525) 2(4) : 48 -62.
- 560. Jana, B. K. and Mukherjee, S. K. 2013. Study of petal venation in *Ranunculus laetus* of the family Ranunculaceae. *Botany, International Journal of Chemical and Pharmaceutical Research.* ISSN 2319-1716. 2(10) : 316 320.
- 561. Jana, B. K. and Mukherjee, S. K. 2013. Study of fruit structure of *Villanova* oppositifolia of the tribe Perityleae (Compositae). Botany, *International Journal of Chemical and Pharmaceutical Research*. ISSN NO.2319-1716. 2(9) : 204 209.
- 562. Dey, Sentu Kr. and Mukherjee, S. K. 2013. Range of host variation of *Cuscuta* (Cuscutaceae) in Nadia district (West Bengal) along with haustorial structure in some host plant. *IJPRBS*, (IMPACT FACTOR : 0.525) 2(4) : 72 -95.
- 563. Jana, B. K. and Mukherjee, S. K. 2013. Cypselar diversity of some species of the tribe Lactuceae (Compositae). J. Botan. Soc. Bengal. 67(1): 55-61.
- 564. Jana, B. K. and Mukherjee, S. K. 2013. Cypselar diversity between two taxa of the tribe Madieae (Compositae). *Indian Journal of Plant Sciences*. ISSN: 2319-3824.2 (3) : 23 -27.
- 565. Jana, B. K. and Mukherjee, S. K. 2013.Exomorphic and histological characters of fruits in some taxa of the tribe – Lactuceae (Asteraceae). J. Econ. Tax. Bot. 37 (2): 372 – 378.ISSN NO: 2050 – 9768.
- 566. Jana, B. K. and Mukherjee, S. K. 2013. A general idea about phytomelanin layer in some Compositae. *Indian Journal of Plant Sciences*. ISSN: 2319-3824.2 (4) : 44-48.
- 567. Jana, B. K. and Mukherjee, S. K. 2013. Morphological observation of cypselar features between two taxa of the tribe Cardueae (Asteraceae). <u>www.nebio.in</u>. ISSN 0976 3597 (Print version) NeBio, 4(5): 23 25.
- 568. Sadhukhan, Sanjay and Mukherjee, S. K. 2013. Petal venation of Galphimia gracilis Bartl. (Malphigiaceae). IJPRBS, (IMPACT FACTOR : 0.525) 2(4): 63 -71.
- 569. Jana, B. K. and Mukherjee, S. K. 2013. Comparative morpho-anatomical study of cypselas between two taxa of the tribe-Bahieae (Asteraceae). J. Botan. Soc. Bengal 67 (2): 125-130.
- 570. Mitra, Sunit and Mukherjee, S. K. 2013. Some less known plants from Malda district of West Bengal used for the treatment of arthritis, rheumatism and gout. *IJPRBS*, (IMPACT FACTOR : 0.525) 2(4) : 337 -345.

- 571. Jana, B. K. and Mukherjee, S. K. 2013.(2014). Distributional analysis of epappose genera of Asteraceae of the world with special reference to India. ISSN:0972 4206. *Phytotaxonomy*. 13 : 23 39.
- 572. Bandyopadhyay, S., Mitra, S. and Mukherjee, S. K. 2014. Traditional uses of some weeds of Asteraceae by the ethnic communities of Koch Bihar district, West Bengal. *International Journal of Pharmacology Research*, ISSN 2249 – 7641. 4 (1): 31-34.
- 573. Jana, B. K. and Mukherjee, S. K. 2014. Taxonomic value of basal meristematic zone of cypselas in some species of the tribe Lactuceae (Compositae). *International Journal of Scientific Research*, (www.theglobaljournals.com), Print ISSN NO.2277 8179. 3 (2): 40-42. Impact Factor of IJSR is 0.3317.
- 574. Jana, B. K. and Mukherjee, S. K. 2014. Diacritical features of cypselas in two taxa of the tribe Arctotideae (Compositae). (ISSN 0970 2091) *Indian J. Applied & Pure Bio.* 29(1): 41-48.
- 575. Bandyopadhyay, S. and Mukherjee, S. K. 2014. A contribution to the fern flora of Howrah district in West Bengal. India. *International Journal of Pharmacological Screening Methods*, (www.ijpsmjournal.com), ISSN 2249 7749. 4 (1): 1-3.
- 576. Jana, B. K. and Mukherjee, S. K. 2014. Calcium oxalate crystals as an important character of pericarp in Compositae A short communication. <u>http://www.jpds.co.in</u>, *Journal of Plant Development Sciences.* 6(2): 313 314.
- 577. Jana, B. K. and Mukherjee, S. K. 2014. Pappus structure in the family Compositae –A short communication. ISSN No. 2277 – 8179. Impact Factor 1.8651. <u>www.theglobaljournals.com</u>, International journal of Scientific Research. 3(5): 29 – 30.
- 578. Jana, B. K. and Mukherjee, S. K. 2013.(2014) Variations of cypselar characters of some species of the tribe Cardueae (Asteraceae). *J. Econ. Tax. Bot.* 37 (3): 513 517. ISSN NO: 2050 9768.
- 579. <u>Bandyopadhyay</u>, S. Mitra, S. and Mukherjee, S.K. 2013. Traditional Uses of Some Weeds of Asteraceae by the Ethnic Communities of Koch Bihar District, West Bengal. Centenary Session of The Indian Science Congress, 3rd to 7th January, Kolkata, 2013, Part II, Section of Plant Sciences, India. pp. 98.
- 580. Talukdar, Tulika and Mukherjee, S.K. 2013. Cypselar Diversity of the Genus Senecio L. (Tribe Senecioneae) – an Overview. Centenary Session of The Indian Science Congress, 3rd to 7th January, Kolkata, 2013, Part II, Section of Plant Sciences, India. pp. 78.
- 581. Ghosh, Tinku and Mukherjee, S.K. 2013. Present Status of 3 Subtribes of The Tribe Justiceae (Acanthaceae) Sensu Benth. & Hook. f. in West Bengal. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 11.
- 582. Talukdar, Tulika and Mukherjee, S.K. 2013. Cypselas Features as Potential Key to the Species of the Genus *Inula* L. (Tribe-Inuleae) of Asteraceae. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and *Bangladesh Botanical Society. pp. 12.*
- 583. Roy, Sudipta, Mondal, Tiloka and and Mukherjee, S.K. 2013. Diversity of Cypselar Characters in Some Members of the Tribe Inuleae (Asteraceae). Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 12-13.

- 584. Jana, Bidyut Kumar and Mukherjee, S.K. 2013. An Over View of Cypselas in Some Taxa of the Tribe Astereae- Asteraceae. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and *Bangladesh Botanical Society. pp. 13*.
- 585. Mukherjee, S.K. 2013. Development and Concept of Metatree in Compositae. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and Bangladesh Botanical Society. pp. 13 - 15.
- 586. Brahma, Goutam, Mukherjee, S.K. and Debnath, H. S. 2013. A Critical Analysis of the Present Status of The Flora of Sundarbans With Special Reference to *Nypa* Wurmb. and *Heritiera* Buch.-Ham. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and *Bangladesh Botanical Society. pp. 15 16.*
- 587. Mitra, Sunit and Mukherjee, S.K. 2013. Ethnobotany of Some Pteridophytic Flora of Northern Part of West Bengal, India. Annual Botanical Conference 2012, January 05, 2013, Organized by Department of Botany, University of Chittagong, Chittagong-4331, Bangladesh and *Bangladesh Botanical Society. pp. 30 31*.
- 588. Mitra, Sunit and Mukherjee, S. K. 2013. Utility of alien species of Asteraceae in West Bengal. U.G.C. Sponsored National Conference on '*Biodiversity: Interrelationship between Flora, Fauna and Human*' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. pp. 33 – 34.
- 589. Bandyopadhyay, S. and Mukherjee, S. K. 2013. Observation on the utilization of monocot flora by the ethnic communities of Koch Bihar district, West Bengal, India. U.G.C. Sponsored National Conference on '*Biodiversity: Interrelationship between Flora, Fauna and Human*' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. *pp.*57.
- 590. Brahma, Goutam and Mukherjee, S. K. 2013. Floristic and ecological studies on some blocks of Sundarbans Tiger Reserves. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp. 45 46.
- 591. Talukdar Tulika and Mukherjee, S. K. 2013. Fruit diversity of few members of the tribe Heliantheae (Asteraceae) – morphological overview. U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp.35.
- 592. Jana, Bidyut Kumar and Mukherjee, S. K. 2013. Notes on some epappose genera of Asteraceae of the world with special reference to India. U.G.C. Sponsored National Conference on '*Biodiversity: Interrelationship between Flora, Fauna and Human*' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. *Pp*.40.
- 593. Bar, Radharaman and Mukherjee, S. K. 2013. Morpho-anatomical variations in cypselas of four taxa of the tribe Gnaphalieae- Asteraceae. U.G.C. Sponsored National Conference on *'Biodiversity: Interrelationship between Flora, Fauna and Human'* on 29th & 30th September,

- 594. Roy, Bablu and Mukherjee, S. K. 2013. Floral micromorphology of four species of the tribe Heliantheae (Asteraceae). U.G.C. Sponsored National Conference on 'Biodiversity: Interrelationship between Flora, Fauna and Human' on 29th & 30th September, 2013, Organized by Departments of Anthropology, Botany and Zoology of Mrinalini Datta Mahavidyapith in collaboration with Department of Anthropology West Bengal State University, Malikapur, Barasat, North 24 Parganas, West Bengal, 700 126. Pp. 44.
- 595. Mukherjee, S. K. 2013. Diversity of testa in some taxa of Compositae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). *Pp. 45.*
- 596. Bandyopadhyay, S. and Mukherjee, S. K. 2013. A contribution to the sedges of Koch Bihar district, West Bengal. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur 440 033 (MS). *Pp. 35.*
- 597. Bar, Radharaman and Mukherjee, S. K. 2013. An investigation on interrelationship between ten taxa of the tribe Vernonieae- Asteraceae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). *Pp. 35 - 36.*
- 598. Jana, Bidyut Kumar and Mukherjee, S. K. 2013. Stylopodial diversity of some species of Asteraceae with the help of SEM. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department University, Amaravati Road, Nagpur – 440 033 (MS). *Pp. 40.*
- 599. Saha, Lipika and Mukherjee, S. K. 2013. Trichomes in ten locally available species of Compositae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). *Pp. 48.*
- 600. Ghosh, Tinku and Mukherjee, S. K. 2013. Distribution of some taxa of Acanthaceae (sub tribe Andrographideae, Barlerieae and Asystasieae of tribe Justicieae sensu Benth. & Hook. f.) in North East India. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur 440 033 (MS). *Pp. 53- 54.*
- 601. Shil, Abhijit and Mukherjee, S. K. 2013.Cypselar features of some species of Compositae. In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013. Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur 440 033 (MS). *Pp. 62.*
- 602. Siddhanta, Suchandrima, Maiti, G. and Mukherjee, S. K. 2013.Summarization graphics of foliar morphology and its corresponding marginal characters of *Cayrata trifilia* (L.) Domin. (Vitaceae). In the XXIII Annual Conference of IAAT and National Seminar on "Recent Advances in Plant Taxonomy Research" from 27th December to 29th December, 2013.

Organized by Post Graduate Department of Botany, RTM Nagpur University, Amaravati Road, Nagpur – 440 033 (MS). *Pp. 62 - 63*.

- 603. C. M. Sabapathy : "Taxonomic studies of the genus *Dendrobium* SW (Orchidaceae) in India" (Awarded)
- 604. Mr. Goutam Brahma: "Assessment of phytodiversity in correlation with physio- chemical parameters of water and soil samples of Sundarbans" (Will be awarded in next week)
- 605. Paul D and Sinha SN, 2013. Isolation of phosphate solubilizing bacteria and total heterotrophic bacteria from river water and study of phosphatase activity of phosphate solubilizing bacteria. Advances in Applied Science Research. 4(4):409-412.(ISSN(0976-8610).
- 606. Paul D and Sinha SN. 2013. Bacteria showing phosphate solubilizing efficiency in river sediment. Electronic Journal of Biosciences. 1(1):01-05.(ISSN 2348-0327)
- 607. Paul D and Sinha SN. 2013. Phosphorus absorption kinetics of some phosphate solubilizing bacterial strains isolated from river Ganga. Indian Journal of Science. 5(12): 11-14.(ISSN 2319-7730)
- 608. Paul D and Sinha SN. 2013. Phosphate solubilizing activity of some bacterial strains isolated from jute mill effluent exposed water of river Ganga. Indian Journal of Fundamental and Applied Life Sciences. 3(3):39-45.(ISSN

YAN

2231-6345)

- 609. Paul D and Sinha SN. 2013. Phosphate solubilization potential and phosphatase activity of some bacterial strains isolated from thermal power plant effluent exposed water of river Ganga. CIBTech Journal of Microbiology. 2(3):01-07. (ISSN 2319-3867)
- 610. Halder N and Sinha SN. 2013. Diversity of the genera *Gloeotrichia* Agardh and *Rivularia* (Roth.) Agardh from Hooghly district of West Bengal, India. Indian Journal of Fundamental and Applied Life Sciences. 3(3):29-35.(ISSN 2231-6345)
- 611. Halder N and Sinha SN. 2013. Some new records of the species of the genera *Aphanothece* Nag and *Merismopedia* Meyen from Hooghly district, West Bengal, India. Indian Journal of Plant Science. 2(3):58-65.(ISSN 2319-3824)
- 612. S.N. Sinha, 2013. Phytochemical profiles and antioxidant activities of the leaf extracts of *Gliricidia sepium*. Int. J. of Innovations in Bioscience. 3(3): 87-91.(ISSN 2277-2367).
- 613. Paul D and Sinha SN. 2013. Assessment of various heavy metals in surface water of polluted sites in the lower stretch of river Ganga, West Bengal: A study for ecological impact, Discovery Nature. 6(14): 8-13(ISSN2319-5703)
- 614. Sinha SN. 2013. Phytochemical screening and antioxidant activity of *Usnea logissima*. International Journal of Universal Pharmacy and life Sciences.3 (6):10-15.(ISSN 2249-6793).
- 615. Sinha SN and Paul D. 2013. Impact of sewage water on seed germination and vigour index of *Cicer arietinum* L. And *Pisum sativum* L. International Journal of Food, Agriculture and Veterinary Sciences. 3(3): 19-26.(ISSN2277-209X)
- 616. Sinha SN and Paul D. 2014. Heavy metal tolerance and accumulation by bacterial strains isolated from waste water. Journal of Chemical, Biological and Physical Sciences. 4(1): 812-817.(ISSN 2249-1929)
- 617. Biswas K and Sinha SN. 2014. Evaluation of antibacterial activity of *Conyza canadensis* (L.) Cronquist collected from Nainital, Uttarakhand, India. International Journal of Universal Pharmacy and Biosciences. 3(1): 46-53.(ISSN2319-8141).
- 618. Halder N and Sinha SN. *Compsopogon coeralus* (Balbis) Montagne, fresh water Rhodophycean taxa from Hooghly District, West Bengal, India. Journal of Advanced Scientific Research. 2014, 5(1):32-33.(ISSN 0976-9595)

- 619. Sinha SN and Paul D. Eco-friendly Green Synthesis and Spectrophotometric Characterization of Silver Nanoparticles Synthesized using Some Common Indian Spices. International Journal of Green and Herbal Chemistry. 2014, 3(2):401-408.(ISSN2278-3229).
- 620. Sinha SN and Paul D. Impact of jute mill waste water on seed germination and vigour index of *Cicer arietinum* L. and *Pisum sativum* L. Journal of Biological and Scientific Opinion. 2014, 2(1):66-69.(ISSN2321-6328)
- 621. Sinha SN and Paul D. Biodegradation potential of some bacterial strains isolated from sewage water, International journal of Environmental Biology 4(2): 107-111, 2014.(ISSN 2277-386X)
- 622. Phytoconstituent Analysis and Antibacterial Activity of Nitella flagelliformis A. Braun Collected from a Pond of Khamargachi of Hooghly District, West Bengal, International Journal of Pharmaceutical & Biological Archive. 2014 (In press)(ISSN0976-3333)
- 623. Phytochemical analysis and antibacterial activity of *Clematis gouriana* Roxb. International journal of Pharmaceutical and Drug Analysis 2(5): 399-401,2014(ISSN2348-8948)
- 624. Sinha SN and Paul D. Antioxidant potentials of *Parthenium hysterophorus* 1 leaf extracts, Scientific research journal of india, : 2014, 3(2):80-86.(ISSN 2277-1700)
- 625. S.N. Sinha and Paul D. 2014. Bacterial diversity in the surface sediments of Bay of Bengal near Bakkhali, West Bengal, India. Proceedings of the National Conference on Challenges in Biodiversity Conservation and Resource Management. Department of Zoology, University of Kalyani. 79-84
- 626. Antioxidant Potential of Parthenium hysterophorous L leaf extracts in seminar "Botanical Products in Human Welfare", organized by Department of Botany, Ramkrishna Mission Vivekananda Centenary College, Rahara, WB. 2013.
- 627. Bioremediation of lead from river water through lead-resistance bacteria in 24th Congress of Zoological Society of India, Bodh Gaya, organised by Department of Zoology, University of Kalyani. 2013.
- 628. Screening of Parthenium hysterophorus Extract for Antioxidant Activity in "Annual Botanical Conference 2012", organized by Department of Botany, University of Chittagong, Chittagong-4331 & Bangladesh Botanical Society, Bangladesh., 2013.
- 629. Phenolic content and antioxidant activity of some extracts of selected medicinal plants in "Annual Botanical Conference 2012", organized by Department of Botany, University of Chittagong, Chittagong-4331 & Bangladesh Botanical Society, Bangladesh. , 2013.
- 630. Screening of antimicrobial activity of Adhatoda vasica L against pathogenic bacteria in "5th International Conference on Medicinal Plants and Herbal Products", organized by Manipal College of Pharmaceutical Sciences, Manipal University, Manipal. 25th 27th January, 2013.
- 631. Bioremediation of contaminated Ganga river water with effective microbes technology in 54th Annual Conference of Association of Microbiologists of India (AMI), Platinum Jubilee Celebrations for Association of Microbiologists of India and International Symposium on "Frontier Discoveries and Innovations in Microbiology and its Interdisciplinary Relevance", organized by Department of Microbiology, Maharshi Dayanand University, Rohtak-124001, Haryana. 17th -20th November, 2013.
- 632. 'Water quality analysis of river Ganga in West Bengal with an assessment of water quality index" International Conference on Environment and Development, organized by Department of Geography and Environmental studies, University of Rajshahi, Rajshahi-6205, Bangladesh. 7-8th March, 2014.
- 633. 20th West Bengal Science & Technology Congress28 Feb-1 March, 2013. BESU, Kolkata
- 634. 21st West Bengal Science & Technology Congress28 Feb-1 March, 2014. The University of Burdwan

- 635. Gupta Sudha, Hore Madhuparna, and Biswas Subikash (2013). An overview of Fern Spore Bank Study: Need for Suitable Exploitation in India. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences, Springer Publication. Published online on 23rd October 2013, doi no: 10.1007/s40011-013-0245-z.
- 636. Das S.K., Mandal A., Datta A.K., Gupta Sudha, Paul R., Saha A., Sengupta S. and Dubey P.K. 2013. Nucleotide Sequencing and Identification of Some Wild Mushrooms. World Sci J. (Hindwai Publication) Volume 2013 (2013), Article ID 403191, 7 pages. http://dx.doi.org/10.1155/2013/403191
- 637. Mandal Aninda, Datta Animesh K., Datta Siraj, Gupta Sudha, Sengupta Sonali, and Ghosh Benoy K. (2013). Assessment of stability and viability of a jute hybrid (*Corchorus capsularis* L. × C. trilocularis L.) and its trueness based on RAPD markers. The Nucleus, Springer Publication. (DOI 10.1007/s13237-013-0093-5)
- 638. Mukherjee Suchetana, Mandal Aninda, Gupta Sudha, and Datta Animesh K. (2013). Pollination events in *Nigella sativa* L. (Black Cumin). International Journal of Research in Ayurveda & Pharmacy. 4(3): 342-344.
- 639. Mandal Aninda, Datta Animesh K., Gupta Sudha, Paul Rita, Saha Aditi, Ghosh Benoy K., Bhattacharya Arnab, and Iqbal Mohsina (2013). Cytomixis – a unique phenomenon in animal and plant. Protoplasma 250: 985-996 (Doi – 10.1007/S00709-013-0493-Z) [Impact Factor: 2.8555]
- 640. Mandal Aninda, Datta Animesh K., Datta Siraj, Gupta Sudha (2013). Genetic assessment of eight *Corchorus* spp. (Tiliaceae) using RAPD and ISSR markers. The Nucleus, Springer Publication 56: 23-30. (DOI 10.1007/s13237-013-0076-6)
- 641. Mandal Aninda, Gupta Sudha, and Datta Animesh K. (2013). Environmental influence on cytomixis in *Corchorus fascicularis* Lamk. (Tiliaceae). Journal of Plant Developmental Sciences 5(1): 23-27.
- 642. Mandal Aninda, Gupta Sudha, Datta Animesh K., Teixeira da Silva Jaime A., and Datta Siraj (2013). Pollen morphology of eight *Corchorus* spp. (Tiliaceae) and how their interrelationships aid efficient breeding. International Journal of Plant Breeding 7(2): 101-105.
- 643. Mandal C., Ghosh N., Maiti S., Das K., Gupta Sudha, Dey N., and Adak M. K. (2013). Antioxidative responses of *Salvinia (Salvinia natans* Linn) to aluminum stress and its modulation by polyamine. Physiology and Molecular Biology of Plants. 19 (1): 91-103.
- 644. Mandal Aninda, Datta Animesh K., Gupta Sudha and Datta Siraj (2013). Interrelationship among eight *Corchorus* sp. (Tiliaceae) for efficient breeding endeavor. In: DST Sponsored National Seminar on New Horizons in Biotechnology, 30-31 August 2013, pp 95-98 (ISBN 978-81-927768-0-4)
- 645. Mandal Manjushree, Biswas Biswajit, Gupta Sudha, and Sen Sarkar Neera (2013). A quantitative affinities in diatom assemblages along a depth gradient in a sediment core from Sunderbans, India. In National Conference on "Frontiers of Algology and Algal Biotechnology" organized by Biotechnology Department, Visva Bharati University, Santiniketan during 15-17 November 2013
- 646. International Journal of Pharmaceutical Research and Bio-ScienceISSN- 2277-8713. Sushanta Das, Sudipta Roy, Bidyut Kumar Jana, Sobhan Kr. Mukherjee. Diversity of cypselar features in some taxa of the tribe Anthemideae (Asteraceae).IJPRBS. 3(1): 410-424. 2014.
- 647. Mandal C, Ghosh N, Maiti S, Das K, Gupta S, Dey N, Adak M K (2013) Antioxidative responses of *Salvinia (Salvinia natans* L.) to aluminium stress and it's modulation by polyamine. Physiol Mol Biol Plants 19(1):91-103
- 648. Das K, Mandal C, Ghosh N, Dey N, Adak M K (2013) Cadmium accumulation in *Marsilea minuta Linn.* and its antioxidative responses. American Journal of Plant Sciences 4:365-371

- 649. C Mandal, N Ghosh, N Dey and M K Adak (2013) Physiological responses of *Salvinia natans* (L.) to aluminium stress and its interaction with putrescine. Journal of Stress Physiology & Biochemistry, Vol. 9 No. 4, pp. 163-179 ISSN 1997-0838
- 650. C Mandal, N Ghosh, N Dey and M K Adak (2013) Interaction of polyamine on oxidative stress induced by exogenously applied hydrogen peroxide in *Salvinia natans* Linn. Theoretical and Experimental Plant Physiol, 25(3): 203-212, 2013
- 651. K Das, C Mandal, N Ghosh, S Banerjee, N Day, MK Adak (2013) Effects of spermidine on physiological activities of *Marsilea minuta* Linn. under cadmium stress. General Applied Plant Physiology Vol 3 (Accepted)
- 652. R Roy, J Karmakar, Malay Kumar Adak, N Dey (2013) Physio-biochemical and microsatellite based profiling of low land rice (*Oryza sativa* L.) land races for osmotic stress tolerance. American Journal of Plant Science (Accepted).
- 653. Sen Sarkar, Neera (2013). Approaches in studying ecology and biodiversity of algae. In: *Manual of Cryptogamic Botany* (Eds. Ruma Pal and Samit Ray). Published by Probir Chatterjee Research Foundation on Cryptogamic Studies, University of Calcutta, Kolkata – 700019. pp 91-102.
- 654. Sen Sarkar, Neera, T. Bandyopadhyaya, S. Datta & S. Das (2013). Algae in the assessment of industrial effluents: A case study in South Bengal, India. *Journal of Environmental Pathology, Toxicology & Oncology*. DOI:10.1615/2013007425. ISSN: 0731-8898; Impact Factor: 1.107. NAAS Score: 6.92
- 655. Mukherjee, S. & Neera Sen Sarkar (2013). The range of prey size of the Royal Bengal Tiger of Sundarbans. *Journal of Ecosystems*. DOI:10.1155/2013/351756. ISSN: 2314-6001.
- 656. Sen Sarkar, Neera (2013). Marine algal resources of India with special reference to Sundarbans. In: UGC Sponsored National Seminar on Marine Biodiversity of India: Threats and Prospects. Held at Raja Peary Mohan College, Uttarpara, West Bengal during 24th & 25th September, 2013.
- 657. Mukherjee, S., A Roy, S. N. Ghosh, D. Ray & Neera Sen Sarkar (2013). IPR regime in West Bengal *vis-a-vis* India, in the perspective of Protection of Farmers' Rights and Geographical Indications. In: *DST Sponsored National Seminar on New Horizons in Biotechnology*'. Held at Haldia Institute of Technology, Haldia, West Bengal during 30th & 31st August, 2013.
- 658. Banik, Jimi, S. Paul, S. Mukherjee, P. D. Ghosh & Neera Sen Sarkar (2013). Protection of farmers' rights and geographical indications in West Bengal, vis-à-vis, India: An analysis. In: *National Intellectual Property Rights Congress*, organized by Patent Information Centre, DST, Government of West Bengal during 24th & 25th September, 2013.
- 659. Banik, Jimi, S. Mukherjee & Neera Sen Sarkar (2013). Farmers' perspective in traditional rice variety cultivation in West Bengal: Conservation & Use patterns. In: UGC sponsored National Conference on Biodiversity: Interrelationship between Flora, Fauna and Human'. Held at Motijheel College, Dumdum, Kolkata during 29th & 30th September, 2013.
- 660. Mandal, Manjushree, Biswajit Biswas, Sudha Gupta & Neera Sen Sarkar (2013). A quantitative analysis of affinities in diatom assemblages along a depth gradient in a sediment core from Sundarbans, India. In: *National Conference on Frontiers in Algology & Algal Biotechnology*. Held at Visva-Bharati, Santiniketan during 15th to 17thNovember,2013.

DEPARTMENTOF CHEMISTRY

661. Arsenic mobilization in the aquifers of three physiographic settings of West Bengal, India: Understanding geogenic and anthropogenic influences, S. Bhowmick, B. Nath, D. Halder, A. Biswas, S. Majumder, P. Mondal, S. Chakraborty, J. Nriagu, P. Bhattacharya, M. Iglesias, G.

- 662. Application of natural citric acid sources and their role on arsenic removal from drinking water: A green chemistry approach, S. Majumder, B. Nath, S. Sarkar, S. M. Islam, J. Bundschuh, D. Chatterjee and M. Hidalgo, *J. Hazardous Mater*. 262, 1167-1175 (2013)
- 663. Influences of groundwater extraction on the distribution of dissolved Asc in shallow aquifers of West Bengal, India, H. Neidhardt, Z. Berner, D. Freikowski, A. Biswas, J. Winter, D. Chatterjee and S. Norra, *J. Hazardous Mater.* 262, 941-950 (2013)
- 664. Risk of arsenic exposure from drinking water and dietary components: Implications for risk management in rural Bengal, D. Halder, S. Bhowmik, A. Biswas, D. Chatterjee, J. Nriagu, D. N. Guha Mazumdar, Z. Šlejkovec, G. Jacks and P. Bhattacharya, *Environ. Sci. Technol.* 47, 1120-1127 (2013)
- 665. Is saliva a potential biomarker of arsenic exposure? A case-control study in West Bengal, India, S. Bhowmick, D. Halder, A. K. Kundu, D. Saha, M. Iglesias, J. Nriagu, D. N. Guha Mazumder, G. Roman-Ross and D. Chatterjee, *Environ Sci. Technol.* 47, 3326-3332 (2013)
- 666. Size-fractionation of groundwater arsenic in alluvial aquifers of West Bengal, India: the role of organic and inorganic colloids, S. Majumder, B. Nath, S. Sarkar, D. Chatterjee, G. Roman-Ross and M. Hidalgo, *Science of Total Environ.* 468-469, 804-812 (2014)
- 667. Retardation of arsenic transport by oxidized Holocene aquifer sediments of West Bengal, India, S. Chakraborty, B. Nath, D. Chatterjee and L. Charlet, J. Hydrology, 2013, in press. DOI: <u>http://dx.doi.org/10.1016/j.jhydrol.2013.07.028</u> (27.07.2013)
- 668. Synthesis, characterization and As(III) adsorption behavior of β-cyclodextrin modified hydrous ferric oxide, I. Saha, K. Gupta, S. Chakraborty, D. Chatterjee, U. C. Ghosh, J. Industrial Engg. Chem. 20, 1741-1751 (2014)
- 669. Montmorillonite-supported nanoscale zero-valent iron for removal of arsenic from aqueous solution: Kinetics and mechanism, S. Bhowmick, S. Chakraborty, P. Mondal, W. V. Renterghem, S. V. De Berghe, G. Roman-Ross, D. Chatterjee and M. Iglesias, *Chem. Engg. J.* 243, 14-23 (2014)
- 670. Role of Competing ions in the mobilization of arsenic in groundwater of Bengal basin: Insight from surface complexation modelling, A. Biswas, P. J. Gustaffson, H. Neidhardt, D. Halder, A. K. Kundu, D. Chatterjee, Z. Berner and P. Bhattacharya, *Water Research* 55, 30-39 (2014)
- 671. Shallow hydrostratigraphy in an arsenic affected region of Bengal basin: Implication for targeting safe aquifers for drinking water supply, A. Biswas, P. Bhattacharya, A. Mukherjee, B. Nath, H. Alexanderson, A. K. Kundu, D. Chatterjee and G. Jacks, *Science Total Environ*. 485-486, 12-22 (2014)
- Control of the size and shape of TiO₂ nanoparticles in restricted media, A. Biswas, A. Corani, A. Kathiravan, Y. Infahsaeng, A. Yartsev, V. Sundstrom, S. De, *Nanotechnology* 24, 195601 (2013)
- 673. A short synthesis of the a-amino acid component of some cyclic peptides, A. Pahari, J. P. Mukherjee, S. K. Chattopadhyay, *Tetrahedron* 2014, 000.
- 674. Medium ring heterocycles, S.K. Chattopadhyay, Progress in Heterocyclic chemistry, Elsevier Book, 2014, Chapter 6.
- 675. Efficient synthesis of quinolylglycine, quinolylalanine and higher homologues, S. K. Chattopadhyay and I. Kundu, *Synth Commun.* 2014, 000
- 676. A Unified approach to the important protein kinase inhibitor balanol and a proposed analogue, Tapan Saha, Ratnava Maitra and S. K. Chattopadhyay, *Beilstein J. Org. Chem.* 9, 2910-2915 (2013)

- 677. Acridone-pterocarpan conjugate: a new hybrid molecular probes for the recognition of nucleic acids, S. K. Chattopadhyay, R. Maitra, I. Kundu, *Euro. J. Org. Chem.* 8145-8153 (2013)
- 678. Fluoride responsive hydrogel of cholesterol appended pyridinium urea and its metal detecting ability and semi conducting behavior, K. Ghosh, D. Kar and S. Bhattacharya, S. *Supramolecular Chem.* 26, 313-320 (2014)
- 679. .Rhodamine-labelled simple architecture for fluorometric and colorimetric sensing of Hg²⁺ and Pb²⁺ ions in semi-aqueous environment, K. Ghosh, T. Sarkar, A. Majumdar, S. K. Mandal and A. R. Khuda-Bukhsh, *Anal. Methods* 6, 2648 (2014)
- 680. Anthracene–labeled pyridinium-based symmetrical chiral chemosensor for enantioselective recognition of L-tartrate, K. Ghosh and T. Sarkar, *Tetrahedron Lett.* 55, 1342-1346 (2014)
- 681. Ion conducting cholesterol appended pyridinium bis amide-based gel in the selective detection of Ag⁺ and Cl⁻ ions, K. Ghosh, D. Kar, S. Panja and S. Bhattacharya, *RSC. Advances* 4, 3798 (2014).
- Benzimidazolium-based new simple ratiometric fluorescent sensor for selective detection of dihydrogenphosphate, K. Ghosh, D. Kar, A. Panja, I. D. Petsalakis and G. Theodorakopoulos, *Supramolecular. Chem.*, 2014 (in press) http://dx.doi.org/10.1080/10610278.2014.884716
- 683. Azaindole-1,2,3-triazole-conjugate in a tripod for selective sensing of Cl⁻, H₂PO₄⁻ and ATP under different conditions, K. Ghosh, D. Kar, S. Joardar, A. Samadder and A. R. Khuda-Bukhsh, *RSC. Advances*, 4, 11590 (2014)
- 684. Progress of 3-aminopyridinium-based synthetic receptors in anion recognition, K. Ghosh, A. R. Sarkar, T. Sarkar, S. Panja and D. Kar, *RSC. Advances*, 4 20114-20130 (2014)
- 685. O- tert- butyldiphenylsilyl coumarin and dicoumarol: A case toward selective sensing of F⁻ ions in organic and aqueous environments, K. Ghosh, D. Kar, R. Frohlich, A. P. Chattopadhyay, T. Sammader, A. R. Khuda-Bukhsh, *Analyst* 138, 3038 (2013)
- 686. L-Valine derived benzimidazole based bis-urea in enantioselective fluorescence sensing of Ltartrate, K. Ghosh and T. Sarkar, *Tetrahedron Lett.*, 54, 4568-4573 (2013)
- 687. Pyridinium-based tripodal chemosensor in visual sensing of AMP in water by indicator displacement assay (IDA), K. Ghosh, S. S. Sarfaraj, A. R. Sarkar, A. Samadder, A. R. Khuda-Bukhsh, I. D. Petsalakis and G. Theodorakopoulos, G. Org. Biomol. Chem. 11, 5666-5672 (2013)
- 688. Azaindole-1,2,3-triazole conjugate as selective fluorometric sensor for dihydrogenphosphate, K. Ghosh, D. Kar, S. Joardar, D. Sahu and B. Ganguly, *RSC. Adnances*, 3, 16144-16151 (2013)
- 689. Enantioselective sensing of lactate by pyridinium-based chiral receptor, K. Ghosh and A. Majumdar, *Tetrahedron Lett.*, 54, 5686-5689 (2013)
- 690. Piperazine-based simple structure for selective sensing of Hg²⁺ and glutathione and construction of a logic circuit mimicking an INHIBIT gate, K. Ghosh, D. Tarafdar, A. Samadder and A. R. Khuda-Bukhsh, *New J. Chem.* 37, 4206 (2013)
- 691. Rhodamine labelled new architecture for dual sensing of Co²⁺ and Hg²⁺ ions, K. Ghosh, T. Sarkar and A. Majumdar, *Tetrahedron Lett.*, 54, 6464 (2013)
- 692. Synthesis, characterization, structure and properties of copper and palladium complexes incorporating azo-amide ligands, P. Pattanayak, J. L. Pratihar, D. Patra, P. Brandão, V. Felix and S. Chattopadhyay, *Polyhedron* 79, 43-51 (2014)
- 693. Alkanol participated conversion of aldimines into α-amino ether: Formation of cobalt (III) complexes incorporating hemiaminal azo ligand, S. P. Parua, P. Pattanayak, J. L. Pratihar, P. Dey and S. Chattopadhyay, *J. Chem. Sci.* 2014 doi: 10.1007/s12039-014-0637-5
- 694. Synthesis, characterizations and structure of orthometallated Pt(II) and Pt(IV) complexes: Oxidative addition to C,N,N,O coordinated Pt(II) complexes, P. Pattanayak, S. P. Parua, D.

Patra, J. L. Pratihar, P. Brandão, V. Felix and S. Chattopadhyay, Polyhedron, 70, 1-5 (2014)

- 695. Solid phase extraction for the removal, preconcentration via recovery and separation of Cu(II) and Ni(II) using modified silica gel, M. Sarkar, M. Das, D. Santra and R. Joardar, *Int. J. Eng. Tech. Res.* 2, 181-185 (2014)
- 696. Pd-catalyzed regioselective direct arylation of uracil *via* oxidative Heck reaction using arylboronic acids, B. Mondal, S. Hazra and B. Roy, *Tetrahedron Lett.* 55, 1077-1081 (2014)
- 697. Copper and Palladium co-Catalyzed Intramolecular C-H Functionalization/C-N Bond Formation: A Route to the Synthesis of Indoloisoquinoline Derivatives, S. Hazra, B. Mondal, H. Rahaman and B. Roy, *Euro. J. Org. Chem.* 22, 2806-2812 (2014)
- 698. Cu(OTf)₂-catalyzed dehydrogenative C-H activation under atmospheric oxygen: An expedient approach to pyrrolo(3,2-d)pyrimidine derivatives, B. Roy, S. Hazra, B. Mondal and K. C. Majumdar, *Euro. J. Org. Chem.* 21, 4570-4577 (2013)
- 699. Synthesis, characterization, X-ray crystallography and antimicrobial activities of new Co(III) and Cu(II) complexes with a pyrazole basedSchiff base ligand, N. C. Saha, S. Mandal, M. Das, N. Khatun, D. Mitra, A. Samanta, A. M. Z. Slawin, R. J. Butcher and R. Saha, *Polyhedron* 68, 122-130 (2014)
- 700. Synthesis, characterization, X-ray crystallography, and antimicrobial activities of Ni(II) and Cu(II) complexes with a salicylaldehyde-based thiosemicarbazone ligand, N. C. Saha, R. Pradhan, M. Das, N. Khatun, D. Mitra, A. Samanta, A. M. Z. Slawin, A. D. Jana, J. Klanke and E. Rentschler, J. Coord. Chem. 67, 286-299 (2014)
- 701. Ruthenium-grafted triazine functionalized mesoporous polymer: A highly efficient and multifunctional catalyst for transfer hydrogenation and Suzuki–Miyaura cross-coupling reactions, N. Salam, S. K. Kundu, A. Singha Roy, P. Mondal, K. Ghosh, A. Bhaumik and S. M. Islam, *Dalton Trans.*, 43, 7057-7068 (2014)
- 702. Chromium(VI) grafted mesoporous polyaniline as a reusable heterogeneous catalyst for oxidation reactions in aqueous medium, U. Mandi, M. Pramanik, A. Singha Roy, N. Salam, A. Bhaumik and S. M. Islam, *RSC Advances*, 4, 15431-15440 (2014)
- 703. Cu(II) anchored functionalized mesoporous SBA-15: an efficient and recyclable catalyst for the one-pot Click reaction in water, S. Roy, T. Chatterjee, M. Pramanik, A. Singha Roy, A. Bhaumik and S. M. Islam, *J. Mol. Catal. A* 386, 78-85 (2014)
- 704. A highly active reusable polymer anchored copper catalyst for C-O, C-N and C-S cross coupling reactions, S. M. Islam, N. Salam, P. Mondal, A. Singha Roy, K. Ghosh and K. Tuhina, J. Mol. Catal. A: Chemical 366, 321-332 (2014)
- 705. Synthesis of silver–graphene nanocomposite and its catalytic application for the one-pot threecomponent coupling reaction and one-pot synthesis of 1,4-disubstituted 1,2,3- triazoles in water, N. Salam, A. Sinha, A. Singha Roy, P. Mondal, N. R. Jana and S. M. Islam, *RSC Advances*, 4, 10001-10012 (2014)
- 706. Pd-grafted porous metal-organic framework material as an efficient and reusable heterogeneous catalyst for C-C coupling reactions in water, A. Singha Roy, J. Mondal, B. Banerjee, P. Mondal, A. Bhaumik and S. M. Islam, *Applied Catal. A: General*, 469, 320-327 (2014)
- 707. Polymer anchored Cu(II) complex: an efficient and recyclable catalytic system for the one-pot synthesis of 1, 4-disubstituted 1,2,3-triazoles starting from anilines in water, S. Roy, T. Chatterjee and S. M. Islam, *Green Chemistry*, 15, 2532 – 2539 (2013)
- 708. Efficient and reusable graphene-γ-Fe₂O₃ magnetic nano-composite for selective oxidation and one-pot synthesis of 1,2,3-triazole using green solvent, N. Salam, A. Sinha, P. Mondal, A. Singha Roy, N. R. Jana and S. M. Islam, *RSC Advances* 3, 18087-18098 (2013)

- 709. Enhanced catalytic performance by copper nanoparticle-graphene based composite, P. Mondal, A. Sinha, N. Salam, N. R. Jana and S. M. Islam, *RSC Advances*, 3, 56152 (2013)
- 710. Cu-grafted mesoporous organic polymer: A new recyclable nanocatalyst for multi-component, N-arylation and S-arylation reactions, N. Salam, S. K. Kundu, A. Singha Roy, P. Mondal, S. Roy, A. Bhaumik and S. M. Islam, *Catal. Sci.Tech.*, 3, 3303-3316 (2013)
- 711. Transition Metal Free Domino Sequential Synthesis of (*E*)-Stilbenes, Biarylmethanes and Biarylethers using Diethylaluminium chloride as a Lewis acid, S. Sarkar, M. Jana and T. Narender, *RSC Advances*, 3, 18755-18758 (2013)
- 712. Metal Free Directed Ortho C-H Iodination: Synthesis of 2'-Iodobiaryl-2-Carbonitriles, <u>S</u>. Sarkar, M. Jana and T. Narender, *Euro. J. Org. Chem.*, 29, 6491-6495 (2013)
- 713. Acridone–Pterocarpan Conjugate: A Hybrid Molecular Probe for Recognition of Nucleic Acids, S. K. Chattopadhyay, R. Maitra, I. Kundu, M. Jana, S. K. Mandal and A. R. Khuda-Bukhsh, *Euro. J. Org. Chem.* 8145–8153 (2013)
- 714. Switching of ferroelectric liquid crystal doped with cetyltrimethylammonium bromide-assisted CdS nanostructures, K. Pal, U. N. Maiti, T. P. Majumder, S. C. Debnath, S. K. Roy and J. M. Otón, *Nanotechnology*, 24, 125702 (2013)
- 715. Reclaiming of ground rubber tire by safe multifunctional rubber additives: II virgin natural rubber/reclaimed ground rubber tire vulcanizates, S. K. Mandal, N. Alam, K. Roy and S.C. Debnath, *Rubber Chem. & Technol.* 2013, on line.
- 716. Safe Amine Based Zinc Dithiocarbamates for the Vulcanization of Carbon Black Reinforced Natural Rubber, M. N. Alam, S.K. Mandal, K. Roy and S. C. Debnath, J. Appl. Polym. Sci., 131, (2012).
- 717. Reclaiming of Ground Rubber Tire by Safe Multifunctional Rubber Additives: III Styrene Butadiene /Reclaimed Ground Rubber Tire (GRT) Vulcanizates, S. K. Mandal, N. Alam, K. Roy and S. C. Debnath, *Rubber Chem. & Technol.*, (Accepted).
- 718. Sol-Gel Derived Nano Zinc Oxide for the Reduction of Zinc Oxide Level in Natural Rubber Compounds, K. Roy, M. N. Alam, S. K. Mandal and S. C. Debnath, J. Sol-Gel Sci. Tech., DOI: 10.1007/s10971-014-3293-9
- 719. Synergism of Novel Thiuram Disulfide and Dibenzothiazyl Disulfide in the Vulcanization of Natural Rubber: Curing, Mechanical and Aging Resistance Properties, M. N. Alam, S. K. Mandal, K. Roy and S. C. Debnath, *Int. J. Industrial Chem.*, DOI: 10.1007/s40090-014-0008-6
- 720. Chirality and Protein Biosynthesis, S. Dutta Banik, N. Nandi, (Invited Chapter), Chapter 5, special volume on "Biochirality: Origin, Evolution and Molecular Recognition", Springer series *Topics in Current Chemistry*, 333, Editor, Prof. Dr. Pedro Cintas, 2013 (print)ISBN: 978-3-642-37625-2.
- 721. Helfrich's Concept of Intrinsic Force and its Molecular Origin in Bilayers and Monolayers, N. Nandi and D. Vollhardt, *Advances in Colloid and Interface Science (Prof. Wolfgang Helfrich Festschrift)*, (accepted: 2014)
- 722. Analysis of Debye Waller Factor and Molecular Dynamics Simulation of Seryl tRNA Synthetase, S. Dutta, S. Kundu and N. Nandi, *J. Ind. Chem. Soc.* (accepted: 2014)
- 723. Active Site Nanospace of Aminoacyl tRNA Synthetase: Difference between the Class I and Class II Synthetases, S. Dutta, K. Choudhury, S. Dutta Banik and N. Nandi, J. Nanosci. Nanotechnol. (Special issue on Nanospace) 14, 2280-2298 (2014)
- 724. Bis(μ-alkoxo) bridged dinuclear Cu^{II}₂ and Zn^{II}₂ complexes of an isoindol functionality based new ligand: synthesis, structure, spectral characterization, magnetic properties, and catechol oxidase activity, A. Patra, G. C. Giri, T. K. Sen, L. Carrella, S. K. Mandal and M. Bera, *Polyhedron*, 67, 495-504 (2014)

- 725. Spectroscopic investigation of new water soluble Mn^{II}₂ and Mg^{II}₂ complexes for the substrate binding models of xylose/glucose isomerases, A. Patra, M. Bera, *Carbohydrate Res.*, 384, 87-98 (2014)
- 726. Synthesis, structure, spectroscopic characterization and protein binding affinity of new water soluble hetero- and homometallic tetranuclear [Cu^{II}₂Zn^{II}₂] and [Cu^{II}₄] clusters, A. Patra, T. K. Sen, A. Ghorai, G. T Musie, S. K. Mandal, U. Ghosh and M. Bera, *Inorg. Chem.*, 52, 2880-2890 (2013)
- 727. Electrochemical formation of Mn(III)-peroxo complexes supported by pentadentate aminopyridine and imidazole ligands, A. El Ghachtouli, H. Y. V. Ching, B. Lassalle-Kaiser, R. Guillot, D. F. Leto, S. Chattopadhyay, T. A. Jackson, P. Dorlet and E. A. Mallart, J. Chem. Soc., Chem. Commun. 49, 5696 (2013)
- 728. Reaction landscape of a pentadentate N5-ligated Mn(II) complex with O2- and H2O2 includes conversion of a peroxomanganese(III) adduct to a bis(μ-oxo-)dimanganese(III,IV) species, D. F. Leto, S. Chattopadhyay, V. W. Day and T. A. Jackson, *J. Chem. Soc., Dalton Trans.*, 42, 13014 (2013)
- Reactions of the dirhenium(III) complex Re2(1-O2CCH3)4Cl2 with triphenylguanidine: Dirhenium paddlewheel complex versus the mononuclear quadruple bond cleavage product, S. M. Mallick, M. K. Ghosh, R. Saha and S. Chattopadhyay, *Polyhedron*, 71, 104 (2014)
- 730. Photophysical, NMR and density functional study on the ion interaction of norharmane: proton transfer vs. hydrogen bonding, A. Mallick, U. K. Roy, T. Majumdar, B. Haldar and S. Pratihar, *RSC Advances*, 4, 16274-16280 (2014)
- 731. Thermodynamic solvation of a series of homologous α- amino acids in non-aqueous binary mixtures of Ethylene glycol and Acetonitrile, K. Mahali, S. Roy and B. K. Dolui, J. solution chem. 42, 1096-1110 (2014)
- 732. Transfer energetics of a series of homologous α-amino acids in aprotic 1, 2-Dimethoxyethane + water mixtures, S. Roy, K. Mahali and B. K. Dolui, *J. Solution Chem.* 42, 1472-1487 (2013)
- 733. Thermodynamic solvation of α-amino butyric acid in aqueous mixture of dipolar aprotic N, Ndimethyl formamide, S. Roy, K. Mahali, S. Akhtar and B. K. Dolui, Asian J. chem. 25, 6661-6665 (2013)
- 734. Thermodynamic interactions due to transfer of amino Acids, Glycine and DL-alanine in aqueous mixture of cationophilic dipolar aprotic N, N- dimethyl formamide, S. Roy, K. Mahali and B. K. Dolui, *Asian J. chem.* 25, 8037-8042 (2013)
- 735. Solvation Chemistry of DL-Nor-Valine in aqueous mixture of dipolar aprotic N, N- Dimethyl formamide, K. Mahali, S. Roy and B. K. Dolui. 2014. (Accepted on 21.10.2013).
- 736. Solvation mechanism of DL-nor-Valine in aqueous mixtures of protophilic dipolar aprotic Dimethyl sulfoxide, S. Roy, K. Mahali and B. K. Dolui, *Int. J. Chem. Pharma. Sci.* 5, (2014)
- 737. A trinuclear crystallochromic Cd(II) complex with zwitterionic coordination terminals: Network of metalorganic motifs through CH---N and charge promoted N^{δ +}-H---N associations in solid state, A. K. Das, A. P. Chattopadhyay, A. Fuller and A. M. Z. Slawin, *J. Chem. Crystallogr.* 44, 177-184 (2014)
- 738. Ligand-free copper nanoparticle promoted N-arylation of azoles with aryl and heteroaryl iodides, G. Pai and A. P. Chattopadhyay, *Tetrahedron Lett.* 55, 941-944 (2014)
- 739. Depletion of soil potassium under exhaustive cropping in inceptisol and alfisol, G. K. Sarkar, A. Debnath, A. P. Chattopadhyay and S. K. Sanyal, *Commun. Soil Sc. Plant Anal.* 45, 61-72 (2014)
- 740. O- tert- butyldiphenylsilyl coumarin and dicoumarol: A case toward selective sensing of F ions in organic and aqueous environments, K. Ghosh, D. Kar, R. Frohlich, A. P.

Chattopadhyay, A. Sammader and A. R. Khuda-Bukhsh, Analyst, 138, 3038 (2013)

741. New efficient ligand-free, copper nanoparticle catalyzed coupling reactions of aryl halides with diethyl malonate to produce α-arylation of malonates, G. Pai and A. P. Chattopadhyay, *Synthesis* 45, 1475-1482 (2013)

DEPARTMENT OF ENVIRONMENTAL SCIENCE

- 742. Environmental Science (2nd Edition 2014), ISBN 978-81-7381-404-4
- 743. S.C.Santra, Anusaya Mallick, A.C.Samal (2013).Global Warming Impact on Crop Productity. In Climate Change Environment and Crop Productivity. Eds R.S.Sengar, Francis & Taylor, 357-384. ISBN No. 978-1-4822-2929-2
- 744. Arsenic in foodchain and community health risk: a study in Gangetic West BENGAL. Subhas Chandra Santra, Alok Chandra Samal, Piyal Bhattacharya, Satabdi Banerjee, Anirban Biswas, Jayjit Majumdar. (2013) Procedia Environmental Sciences 18 (2013): 2-13.
- 745. Spatial variation of chlorophyll II integrity in a mangrove plant (Excoecaria agallocha) o Indian Sundarban, with special reference to leaf element and water salinity. Subhajit Bhar, D. Chakraborty, S.S.Sam, D.Das, A. Chakraborty, M. Sudarshan, and S.C.Santra. (2013). IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT), 3 (5): 24-31. eISSN: 2319-2402
- 746. In vitro assessment on the impact of soil arsenic in the eight rice varieties of West Bengal, India. Piyal Bhattacharya, Alok C. Samal, Jayjit Majumdar, Satabdi Banerjee, Subhas C. Santra. (2013). Journal of Hazardous Materials 262(2013): 1091-1097. ISSN: 0304-3894 (I. F. 4.14)
- 747. Heavy metal pollution and phytoremediation potential of Avicennia officinalis L. in the southern coast of the Hooghly estuarine system. Debargha Chakraborty, Subhajit Bhar, Jayjit Majumdar, Santra S.C. (2013). International journal of environmental science, 3(6): 2291-2303. ISSN 0976 4402
- 748. Catalytic activity of an iron (III) Schiff base complex bound in a polymer resin. Sk. Manirul Islam, Sumantra Paul, Anupam Singha Roy, Satabdi Banerjee, Kajari Ghosh, Ram Chandra Dey and S.C.Santra. (2013). Transition metal chemistry, 38:(2013) 975-682. (I. F. 1.184)
- 749. Assessment of Mercury Detoxification Potentiality of Isolated Streptococcus sp. MTCC 9724 under Different Environmental Conditions. Subarna Bhattacharyya1, Srabanti Basu, Punarbasu Chaudhuri, Subhas Chandra Santra. (2013). Environment and Ecology Research 1(2): 62-72, 2013 SSN: 2331-625X (Print) ISSN: 2331-6268 (Online)
- 750. Isolation and characterization of Arsenic tolerant fungal strains from contaminated sites around urban environment of Kolkata. Kaoushik K. Mukherjee, Dipanwita Das, A.C.Samal and S.C.Santra (2013). IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) 7(5): 33-37 eISSN: 2319-2402
- 751. Diversity of epiphytic lichens and their role in sequestration of atmospheric metals. S. Kar, A.C.Samal, J.P.Maity, and S.C.Santra. (2014). Int. Journal Environ. Science and Technology, 11: 899-908. (I. F. 1.844)
- 752. Isolation and characterization of bacteria isolated from municipal solid waste for production of industrial enzymes and waste degradation. Amrita Saha and Subhas Chandra Santra. (2014). J. Microbiol. Exp 1(1): 1-8
- 753. Development of live-stock watering sites and measures for ensuring the water quality: Steps towards drought hit pasture management (2013): D.Das and U.Roy. In Contemporary Issues on Environment and Development in India and adjacent Countries (Ed.Sanjib Majumder). Published by Sandhya Prakashani,B.T.Road,Kol-119,ISBN978-81-928047-2-9.pp54-61

- 754. Heavy Metal Contamination of Soil and Its Impact on Metabolic Parameters of Plant by P. Barman and R. Bhattacharya, Contemporary Issues on Environment and Development in India and Adjacent Countries, 362-368, Sandhya Prakashani, pp. 362-368 (2013). ISBN 978-81-928047-2-9
- 755. Occupational Hazards Particularly Musculoskeletal Disorders among Zori Workers in Rural Areas of Howrah District, West Bengal by G. Biswas and R. Bhattacharya, Contemporary Issues on Environment and Development in India and Adjacent Countries, Sandhya Prakashani, pp. 369-374, (2013). ISBN 978-81-928047-2-9
- 756. Impact of urbanization on avians: An overview R. Roy and R. Bhattacharya Contemporary Issues on Environment and Development in India and Adjacent Countries, Sandhya Prakashani, pp. (2013). ISBN 978-81-928047-2-9
- 757. Environmental challenges to mitigate the loss due to cyclone along the coastal belt of India by R. Bhattacharya and R. Guha Contemporary Issues on Environment and Development in India and Adjacent Countries, Sandhya Prakashani, pp. 521-528 (2013). ISBN 978-81-928047-2-9
- 758. Environmental challenges to forecast thunderstorm potential by A. Bhattacharya, R. Das and R. Bhattacharya Contemporary Issues on Environment and Development in India and Adjacent Countries, Sandhya Prakashani, pp. 425-432 (2013). ISBN 978-81-928047-2-9
- 759. Seasonal Distribution of Comfortability: A Regional Based Study over Kalyani, West Bengal, India by R. Bhattacharya, S. Pal, G. Biswas, S. Karmakar and G. Saha, Int. J. Innovative Research in Science and Technology, 2(7), 2856-2862, (2013). ISSN 2319-8753 Impact 1.62
- 760. A journey through researches on cosmic rays by R. Bhattacharya, M. Roy, P. Barman and C.D. Mukherjee, *Int. J. Eng. Sci. Tech.*, 5(4), 784-795 (2013). ISSN 0975-5462 Impact 3.14
- 761. Response of Neutron Monitors to Cosmic Ray Counts: A Statistical Approach by R. Bhattacharya, P. Barman and M. Roy, *Int. J. Eng. Sci. Tech.*, 5(9), 1713-1721, (2013). ISSN 0975-5462 Impact 3.14
- 762. Potential of solar energy in tropics, R. Bhattacharya, S. Pal, G. Biswas, S. Karmakar, P. Barman, P. Mali, *Int. J. Eng. Sci. Tech.*, 5(7), 1413-1418, (2013). ISSN 0975-5462 Impact 3.14
- 763. Degree of Protection of Pedestrian Ultraviolet Level by Using Tree Canopies by R. Bhattacharya, S. Pal, P. Barman and A. Bhattacharya, Int. J. Pharma. Res. Bio-Sci., 2(5), 315-327,(2013). ISSN 2277-8713
- 764. Correlative analysis of cosmic ray intensity and solar activity parameters R.Bhattachaya M. Roy Int. J. Eng. Sci. Tech., 6 (2), 24-32, (2014), ISSN 0975-5462 Impact 3.14
- 765. Degree of Discomfort Over Assam Using Meteorological Data, R. Bhattacharya, G. Biswas, A. Bhattacharya, International Journal on Electronics & Communication Technology, 5 (2), 80-83, (2014).
- 766. Link between Cosmic Ray Intensity and Solar activity during different phases of solar cycles, R. Bhattacharya and M. Roy, International Journal on Electronics & Communication Technology, 5 (2), 72-74, (2014).
- 767. Characteristics of Tropical Cyclonic Storm Phailin as derived from Satellite and Atmospherics Observations, R. Bhattacharya, R. Guha, J. Pandit, A. B. Bhattacharya, International Journal of Electronics and Communication Technology, 5 (2), 56-59, (2014).
- 768. High and Low Amplitude Events of Cosmic Ray Diurnal Variation for the Period 1976 -2013 R. Bhattacharya, M. Roy, International Journal of Innovative Research in Science, Engineering and Technology Vol. 3, Issue Spl - 2, pp.65-69 (2014) (ISSN: 2319- 8753, Impact factor 1.672)

- 769. Striking events of tropical cyclone researches: An overview R. Bhattacharya, R. Guha and A. Bhattacharya, International Journal of Innovative Research in Science Engineering and Technology, Vol. 3, No.2, pp. 207-210, (2014) (ISSN 2347-6710; IF 1.672)
- 770. Impact of 400kV high tension line on *Saccharum officinarum* (sugarcane): A preliminary observation P. Barman, R. Bhattacharya, Innovative Research in Science Engineering and Technology, Vol. 3, No.2, pp. 296-299 (ISSN 2347-6710; IF 1.672)
- 771. Cloud Morphology of Cyclonic Storms over the Bay of Bengal using MODIS and TRMM data R. Bhattacharya and R. Guha, International Journal of Innovative Research in Science Engineering and Technology, Vol. 3, No.2, pp. 304-309 (ISSN 2347-6710; IF 1.672)
- 772. A relook on the Rayleigh scattering of light from the sunset observations viewing from Brahmaputra river A. B. Bhattacharya , J. Pandit , B. Raha , D. Halder R. Bhattacharya , G. Biswas , R. Roy , A. Nag International Journal of Innovative Research in Science Engineering and Technology, Vol. 3, No.2, pp. 450-455, (ISSN 2347-6710; IF 1.672)
- 773. Impact of electromagnetic pollution from mobile phone towers on local birds R. Bhattacharya and R. Roy International Journal of Innovative Research in Science Engineering and Technology, Vol. 3, No.2, pp. 32-36, (ISSN 2347-6710; IF 1.672)
- 774. Nonlinear characteristics of observed global and diffuse radiation in tropics, G. Biswas, S. Pal and R. Bhattacharya, Nat. Conf. on Nonlinear Physics and its applications (CNPA 13), Nov. 26-28, 2013, Darjeeling Govt. Collage, pp. 45
- 775. A link between UV exposure and tree canopies, R. Bhattacharya, G. Biswas and A. Bhattacharya Nat. Conf. on Nonlinear Physics and its applications (CNPA 13), Nov. 26-28, 2013, Darjeeling Govt. Collage, pp. 36
- 776. Comparative study on the availability of solar radiation over some Indian cities, R. Bhattacharya, S. Pal, G. Biswas and P. Mali,18th National Space Science Symposium Dibrugarh University, January 29-February 1, 2014. ISBN No. 978-929186-0-0
- 777. Distribution of Comfortability over hilly region of India using RAOB data by G. Biswas, A. Bhattacharya, R.Bhattacharya, *18th National Space Science Symposium* Dibrugarh University, January 29-February 1, 2014. ISBN No. 978-929186-0-0
- 778. Depletion of UV part of incoming solar radiation by using tree canopies by P. Barman, A. Bhattacharya, S. Pal, R. Roy and R. Bhattacharya, 18th National Space Science Symposium Dibrugarh University, January 29-February 1, 2014. ISBN No. 978-929186-0-0
- 779. Complexation behavior of imidazoline hydrazones towards Cu²⁺ and Hg²⁺: Structure, sensing and DNA binding studies; Soma Mukherjee, P. Mal, H. Stoeckli-Evans, Polyhedron, 73 (2014) 87-97. [Impact Factor: 1.813]
- 780. Assessment of Fluoride Contamination in Drinking Water of Birbhum, West Bengal; Soma Mukherjee, S. Nath, A. Chowdhury, A. K. Paul and S. Chowdhury, *Contemporary Issues on Environment & Development in India and Adjacent Countries* (2013) 62-68. [ISBN: 978-81-928047-2-9]
- 781. Determination of Fluoride and Nitrate Concentration in Real Samples: A case study in Nadia district, West Bengal; Soma Mukherjee, B. Ghosh, S. Talukder and P. Mal, *Contemporary Issues on Environment & Development in India and Adjacent Countries* (2013) 285-291. [ISBN: 978-81-928047-2-9]
- 782. Assessment of Efficiency of Effluent Treatment Plant and Implementation of Environmental Management System as per ISO - 14000:2004 in a Reputed Paper & Pulp Industry in West Bengal; Soma Mukherjee, H. Mukherjee, P. Mal, A. K. Paul and S. Talukder, *Contemporary Issues on Environment & Development in India and Adjacent Countries* (2013) 392-397. [ISBN: 978-81-928047-2-9]

- 784. Study on Population, Literacy and Waste Management: A case Study in Hooghly District; Soma Mukherjee, M. Samanta, S. Talukder and S. Betal, *Contemporary Issues on Environment & Development in India and Adjacent Countries* (2013) 442-447. [ISBN: 978-81-928047-2-9]
- 785. Delivered Invited Lecture on "Management of Environmental Pollution" in a Training Programme (18-20th December, 2013) organized by Netaji Subhas Regional Institute of Cooperative Management, Kalyani

DEPARTMENT OF GEOGRAPHY

- 786. "An Assessment on Tourism aspects of Gopiballavpur: A Religious Hub of Vaishnavism"-Indian Journal of Regional Science, Vol.45, No.1, (ISSN 0046-9071)
- 787. "Jangalmahal in Rarh Bengal Revisited: The opportunities Evolved" Practising Geographer, Vol. 17, No. 1 (ISSN 0975-3850)
- 788. "Boosting Agritourism and Sustainability: A study in Rarh Region of West Bengal"- Indian Journal of Landscape Systems & Ecological Studies, Vol.36, No.1, (ISSN:0971-4170)
- 789. "Globalization and Medical Tourism: A Spatial Study" Indian Journal of Spatial Science (EISSN: 2249-4316), Vol. 5, No. 1
- 790. National Seminar on "Contemporary Issues on Environment and Development in India and adjacent countries" at Kalynai Mahavidyalaya paper presented "Population and Environment: Issues and Challenges
- 791. National Seminar on "Biosphere Reserve, National Park and Protected Area Management-Human Dimension: Issues and Challenges" at Anthropological Survey of India, Central Regional Centre, Nagpur — paper presented "Tourism in Protected Areas: A blessings or a blight"
- 792. National Seminar on "Sustainability, Environment and Society" at University of Madras paper presented "People, Tourism resource and Development: A Case Study in Pathra, West Bengal"
- 793. National Seminar on "Research Frontiers in Man-Nature Interface" at Department of Geography, Visva-Bharati paper presented "Applied Geography and Medical Tourism"
- 794. National Seminar on "Development and Environmental Transformation", at Dept. of Geography University of Calcutta.—paper presented on "Transformation of Environment with Tourism: A Study"
- 795. International Seminar on Disaster, Natural Resource Management and Socio-economic Development at Department of Geography, Kurukshetra University– presented a paper on "CRZ and Tourism: A disaster Management Planning for Tajpur"
- 796. : International Seminar of Institute of India Geographers at Department of Geography, The University of Burdwan presented a paper on "Lac based Economy and Sustainability: A study in Purulia District"
- 797. Tarun Kumar Mondal (December 2013): 'PEOPLE'S PERCEPTION ON NATURAL DISASTERS AND LOCAL SURVIVAL STRATEGIES IN SUNDARBAN REGION: A STUDY OF GOSABA BLOCK IN SOUTH TWENTY FOUR PARGANAS DISTRICT IN WEST BENGAL, INDIA' in Shaw, R. and Neef, A. (Eds.), Risk and Conflicts: Local Responses to Natural Disasters, Emerald Group Publishing Limited (ISBN: 978-1-78190-820-4), Vol.14, pp. 165 184.

- 798. Tarun Kumar Mondal (June 2013): 'CONCENTRATION OF AGRICULTURAL WORKERS: A STUDY OF RURAL POPULATION IN SUNDARBAN DELTA OF WEST BENGAL, INDIA', Indian Journal of Landscape Systems and Ecological Studies, (ISSN: 0971-4170), Kolkata, West Bengal, India, Vol.36, No.1, pp.123-130.
- 799. Rakhi Mukherjee & Tarun Kumar Mondal (March 2014): "SPATIO-TEMPORAL ANALYSIS OF SEX RATIO IN SCHEDULED CASTE AND SCHEDULED TRIBE POPULATION: A STUDY OF NADIA DISTRICT, WEST BENGAL"- JOURNAL OF EDUCATIONAL THOUGHTS, Nathulal Das B. Ed. College, Aurangabad, Murshidabad, West Bengal, (ISSN: ISSN-2348-1714), Vol.1, No.1, pp. 76-82.
- 800. Tarun Kumar Mondal: 'VULNERABILITY TO CLIMATE CHANGE IN INDIAN SUNDARBAN DELTA: AN APPRAISAL'- UGC Sponsored National Level Seminar Organised by Dept. of Geography Kalyani Mahavidyalaya, Kalyani, Nadia, W.B. in Collaboration with Dept. of Environmental Science University of Kalyani, Kalyani, W.B. September 20-21, 2013.
- 801. Tarun Kumar Mondal: 'RELEVANCE OF POSTMODERNISM IN GEOGRAPHY: A CRITIQUE'-National Seminar on Research Frontiers in Man-Nature Interface, Department of Geography, Visva Bharati, Birbhum, India, 1-2 March, 2014.
- 802. Tarun Kumar Mondal: 'A RELOOK INTO PARTICIPATORY FOREST MANAGEMENT IN SOUTH BENGAL', National Seminar on Development and Environmental Transformation, Department of Geography, University of Calcutta, Kolkata, India, March 28-29, 2014
- 803. Tarun Kumar Mondal: 'FARMERS' PERCEPTION OF CLIMATE CHANGE AND ITS IMPACT ON AGRICULTURE: A STUDY OF GOSABA BLOCK IN SUNDARBAN DELTA, INDIA'- IGU Kyoto Regional Conference, Kyoto, Japan, 4-9 August 2013.
- 804. Tarun Kumar Mondal: 'ALIENATION OF INDIGENOUS PEOPLE AND THE SUSTAINABILITY OF FOREST MANAGEMENT: A STUDY OF BANKURA DISTRICT IN WEST BENGAL, INDIA'-35th Indian Geographers' Meet & International Conference, Department of Geography, The University of Burdwan, Barddhaman, West Bengal, India, 11-13 November 2013.
- 805. Tarun Kumar Mondal: 'SLUM DEMOGRAPHY OF KALYANI MUNICIPALITY IN NADIA DISTRICT IN WEST BENGAL, INDIA: A STUDY FROM GENDER PERSPECTIVES'- 12th International Asian Urbanization Conference, Department of Geography, Banaras Hindu University, Varanasi, U.P., India, December 28-30, 2013.
- 806. 'Embankment : A Common Property Resource, A Case-Study in Moyna Flood Basin, West Bengal' in 'Resources and Development Issues and Concerns', (ISBN No: 978-81-8064-252-4), edited by N.C. Jana and Lakshmi Sivaramakrishnan, published by Progressive Publishers, Kolkata-73, West Bengal, India, October, 2013
- 807. Effects of Urbanization on Channel Morphology: A Case Study of Banka River in Burdwan Town, West Bengal' in 'Thematics: Journal of Geography' (ISSN No: 2277-2995), Volume-2, Issue-4, Pages: 31-36, published by Thematics Publications Pvt. Ltd., Latur (MS), India, December, 2013 [As 2nd Author with S. Roy]
- 808. 'Problems and Environmental Significance of Sea-Wall: A Case Study in Digha Resort, West Bengal, India' in 'The Geographer' (ISSN: 0072-0909 [Print] & ISSN: 0975-9522 [Online]), Volume-59, No-1, Pages: 55-64, published by Aligarh Muslim University Geographical Society (AMUGS), Aligarh, Uttar Pradesh, India, January, 2012 (Received in March, 2014)
- 809. ABSTRACT: 'Assessment of Water-logging Areas using Landsat 8: RS and GIS Approach' presented in National Seminar, organised by Department of Geography, Visva-Bharati, Santiniketan & Foundation of Practising Geographers, Kolkata, on 'Research Frontiers in

- 810. ABSTRACT: 'Redefinition of Coast and an Understanding on Coastal Vulnerability in Purba Medinipur of West Bengal' presented in 35th Indian Geographers' Meet and International Conference organized by Institute of Indian Geographers (IIG), Pune, on 'Environment, Development and Equity' venue, Dept. of Geography, The University of Burdwan, Barddhaman, W. B., India, dated - 11-13 November, 2013.
- 811. '<u>¢hnÄ-Eo·juZ Hhw ¢qjjmu ïj-Zl i¢hoÉv</u>' (Global Warming and the Future of Tourism in Himalaya), published in a Souvenir Title: 'GEOID' of 3rd Annual Reunion 2013, Dept. of Geography, K.U., Pages: 5-6, April, 2013

DEPARTMENT OF MATHEMATICS

- 812. I. Lahiri and Abhijit Banerjee, A journey from Gross-problem to Fujimoto-condition (Book Chapter), Analytic Number Theory, Approximation Theory and Special Functions (2014), pp. 856 – 877 (Springer Verlag).
- 813. I. Lahiri and Nintu Mandal, On a result of Q. Han, S. Mori and K. Tohge concerning uniqueness of meromrophic functions, Cubo, A Mathematical Journal, Vol. 16, No. 1 (March 2014), pp. 49 – 61.
- 814. I. Lahiri and Shanpeng Zeng, A normality criterion for meromorphic functions having multiple zeros, Ann. Polon. Math., 110.3 (2014), pp. 283 294.
- 815. I. Lahiri and Imrul Kaish, A non-zero value shared by an entire function and its linear differential polynomials, Canad. Math. Bull., Vol. 56 (4) (2013) pp. 769–784.
- 816. I. Lahiri and Imrul Kaish, An entire function sharing one nonzero value with its linear differential polynomials, J. Math. Anal. Appl., 406 (2013), pp. 66 74.
- 817. I. Lahiri and Abhijit Banerjee, A uniqueness polynomial for equi-polar meromorphic functions, Analysis (Munich), Vol. 33(2013), pp. 13 23.
- 818. GA Based FGP for Resource Allocation in Farming", Encyclopedia of Business Analytics and Optimization (Category: Algorithms and Programming), IGI Global, pp. 1013-1029, 2014. DOI: 10.4018/978-1-4666-5202-6.ch093ISBN 978-1-4666-5202-6 (hardcover) -- ISBN 978-1-4666-5203-3 (eBook) -- ISBN 978-1-4666-5205-7 (print & perpetual
- "FGP Model for Emission-Economic Power Dispatch", Encyclopedia of Business Analytics and Optimization (Category: Banking, Finance, and Economics), IGI Global, pp. 936-950, 2014.DOI: 10.4018/978-1-4666-5202-6.ch087ISBN 978-1-4666-5202-6 (hardcover) -- ISBN 978-1-4666-5203-3 (ebook) -- ISBN 978-1-4666-5205-7 (print & perpetualaccess).
- 820. "FGP for Chance Constrained Fractional MODM Problem", Encyclopedia of Business Analytics and Optimization (Category: Fuzzy Methods), IGI Global, pp. 919-935, 2014.DOI: 10.4018/978-1-4666-5202-6.ch086ISBN 978-1-4666-5202-6 (hardcover) -- ISBN 978-1-4666-5203-3 (eBook) -- ISBN 978-1-4666-5205-7 (print & perpetual access).
- 821. "GA Based FGP to Solve BLP Model of EEPGD Problem", Encyclopedia of Business Analytics and Optimization (Category: Algorithms and Programming), IGI Global, pp.1030-1046, 2014.DOI: 10.4018/978-1-4666-5202-6.ch094 ISBN 978-1-4666-5202-6 (hardcover) -ISBN 978-1-4666-5203-3 (eBook) -- ISBN 978-1-4666-5205-7 (print & perpetualaccess).
- 822. "Extended Goal Programming Approach with Interval Data Uncertainty for Resource Allocation in Farm Planning: A Case Study", Advances in Intelligent Systems and Computing, Springer-Verlag, Vol. 248, pp. 639-651, 2014. DOI: 10.1007/978-3-319-03107-1_70ISSN: 2194-5357

- 823. An Iterative Fuzzy Goal Programming Method to Solve FuzzifiedMultiobjective Fractional Programming Problems", Advances in Intelligent Systems and Computing, Springer-Verlag, Vol. 248, pp 219-231, 2014.DOI: 10.1007/978-3-319-03107-1_25ISSN: 2194-5357
- 824. "Using Genetic Algorithm to Goal Programming Model of Solving Economic-Environmental Electric Power Generation Problem with Interval-Valued Target Goals", Advances in Intelligent Systems and Computing, Springer-Verlag, Vol. 248, 156-169, 2014.DOI: 10.1007/978-3-642-28926-2_17ISSN: 2194-5357
- 825. "GA based FGP approach for Optimal Reactive Power Dispatch", Procedia Technology, Elsevier Science, Vol. 10, 2013, Pp. 464-473, 2013. DOI: 10.1016/j.protcy.2013.12.384ISSN No.: 2212-0173
- 826. "A Priority based Fuzzy Goal Programming Method for Solving Thermal Power Generation-Dispatch Problems using Genetic Algorithm", Journal of Computing, Vol. 2, No. 1, pp. 47-56, 2013. ISSN No. 2277-7091 (www.csijournal.org)
- 827. "A Revised Multi-choice Goal Programming Framework for Economic-Environmental Power Generation and Dispatch Problem", Procedia Technology, Elsevier Science, Vol. 10, 2013, pp. 637-645, 2013. DOI: 10.1016/j.protcy.2013.12.405ISSN No.: 2212-0173
- 828. "FGP Approach for Solving Fractional Multiobjective Decision Making Problems using GA with Tournament Selection and Arithmetic Crossover", Procedia Technology, Elsevier Science, Vol. 10, 2013, pp. 505-514, 2013. DOI: 10.1016/j.protcy.2013.12.389 ISSN No 2212-0173
- 829. "Interval goal programming approach to multiobjective fuzzy goal programming Problem with interval weights", Procedia Technology, Elsevier Science, Vol. 10, 2013, pp. 587-595, 2013. DOI: 10.1016/j.protcy.2013.12.399ISSN No.: 2212-0173
- 830. "Interval Goal Programming for Economic Environmental Power Generation Dispatch Problems", Proc. of IEEE International Conference on Fuzzy Systems (FUZZIEEE), *IEEE Xplore*, IEEE Digital Library.pp. 1-8. DOI: 10.1109/FUZZ-IEEE.2013.6622446 ISSN : 1098-7584, Print ISBN: 978-1-4799-0020-6
- 831. A Penalty Function based Fuzzy Goal Programming Procedure for Solving Multiobjective Decision Making Problems, Proc. of IEEE International Conference on Fuzzy Systems (FUZZIEEE), IEEE Xplore, IEEE Digital Library.pp.1-8. DOI: 10.1109/FUZZ-IEEE.2013.6622445, ISSN: 1098-7584Print ISBN: 978-1-4799-0020-6
- 832. International Journal of Applied Management Science (IJAMS), Inderscience.com
- 833. International Journal of Data Analysis Techniquesand Strategies (IJDATS), Inderscience.com
- 834. International Journal of Data Science (IJDS), Inderscience.com
- <u>Reviewer Services:</u> Rendered the services as Reviewer of different Peer-Reviewed Journals of Organizations of repute, like *Elsevier Science, Springer, Inderscience* and various worlds recorded Int. Conferences, like *IEEE, Springer* and others.
- 835. Joydeb Bhattacharyya and Samares Pal: Stage-structured cannibalism with delay in maturation and harvesting of an adult predator. Journal of Biological Physics, 39, 37-65 (2013) Springer. Impact Factor: 1.864 ISSN: 0092-0606
- 836. Joydeb Bhattacharyya and Samares Pal: Sub-Lethal Effects of HAB Toxin on Reef-Fish Population. Contemporary Mathematics and Statistics, 1, 10-28, Columbia International Publishing, U.S.A. (2013). ISSN: 2163-1204
- 837. Nanda Das, Samares Pal, Joydev Chattopadhyay: Spatial effects on viral disease in plankton system. Nonlinear Studies, 20(1), 1-13, (2013), CSP - Cambridge, UK; I&S - Florida, USA. ISSN: 1359-8678.

- 838. Samares Pal and Anal Chatterjee: Role of constant nutrient input and mortality rate of planktivorous fish in plankton community ecosystem with instantaneous nutrient recycling. Canadian Applied Mathematics Quarterly (CAMQ) 20(2), 179-207, (2013). ISSN 1073-1849
- 839. Nanda Das, Samares Pal, Joydev Chattopadhyay: The role of viral infection on a bacterial ecosystem with nutrient enrichment. Differential Equations and Dynamical Systems 22(2), 147–163, Springer. ISSN: 0971-3514.
- 840. Samares Pal and Anal Chatterjee: Plankton nutrient interaction model with harvesting under constant environment. Fields Institute for Research in Mathematical Sciences, Toronto, Canada. World Scientific, 2013 (In Press) ISBN: 978-981-4520-81-2.
- 841. Joydeb Bhattacharyya and Samares Pal: Dynamics of a stage-structured system with harvesting and discrete time delays. Systems Science and Control Engineering, 2, 192-215, Taylor & Francis (2014). ISSN: 2164-2583.
- 842. Anal Chatterjee and Samares Pal: Roles of constant nutrient input in a detritus based open marine plankton ecosystem model. Contemporary Mathematics and Statistics, 1(2), 71-91, Columbia International Publishing, U.S.A. (2013). ISSN: 2163-1204
- 843. Joydeb Bhattacharyya and Samares Pal: The role of space in stage-structured cannibalism with harvesting of an adult predator. Computers and Mathematics with Applications, <u>66(3)</u>, 339– 355 Elsevier. Impact factor: 2.069 ISSN: 0898-1221
- 844. Joydeb Bhattacharyya and Samares Pal: Nutrient-phytoplankton-zooplankton interaction with variable yields. Applicationes Mathematicae, Institute of Mathematics, Polish Academy of Sciences 40(3), 327-349 (2013)ISSN: 1233-7234.
- 845. Anal Chatterjee and Samares Pal: Coexistence of plankton model with essential multiple nutrient in chemostat. International Journal of Biomathematics, 6(6), 1350042 1-25 (2013), World Scientific.Impact factor: 0.633 ISSN: 1793-5245.
- 846. Nanda Das, Samares Pal, Joydev Chattopadhyay: Dynamics of a ratio-dependent marine bacteriophage infection model with delay. Nonlinear Phenomena in Complex Systems, 16(4), 314 - 330 (2013) ISSN 1561-4085.
- 847. Samares Pal and Anal Chatterjee: Interspecies competition between phytoplankton and two zooplankton in an open marine ecosystem. Rocky Mountain Journal of Mathematics, (2013) (In Press) Impact factor: 0.443 ISSN: 0035-7596.
- 848. Different aspects of teaching mathematics with special reference to the use of technology, Uses of Technology in Mathematics Education (SSCE Publication No.5) Published from Shimurali Sachinandan College of Education, Shimurali, Nadia, West Bengal, India. (2013), pp. 5-12; ISBN No: 978-81-922902-4-9.
- 849. Relative weak type oriented growth rates of wronskians, Proceedings of the 7th International Conference of IMBIC (Institute for Mathematics, Bioinformatics, Information Technology and Computer Science) on "Mathematical Sciences for Advancement of Science and Technology, MSAST -2013" held at Kolkata, India during December 21-23, 2013, Vol. 2, (2013), pp.43-55 ; ISBN No: 978-81-925832-1-1.
- 850. S. K. Datta, T. Biswas and M. Biswas : Some sharper estimations of growth relationships of composite entire functions on the basis of their maximum terms, Palestine Journal of Mathematics Vol. 3, No 1 (2014), pp. 77-93; ISSN No: 2219-5688.
- 851. S. K. Datta, T. Biswas and A. Haque : Applications of slowly changing functions in the estimations of growth properties of composite entire functions on the basis of their maximum terms and maximum moduli, International Mathematical Forum, Vol. 9, No 5 (2014), pp. 237-254; ISSN No: 1312-7594.

- 852. S. K. Datta, T. Biswas and S. K. Deb : Growth analysis of functions analytic in the unit polydisc, International Journal of Analysis and Applications, Vol. 5, No 1 (2014), pp. 68-80; ISSN No: 2291-8639.
- S. K. Datta, T. Biswas and S. Ali : Growth rates of wronskians generated by complex valued functions, Gulf Journal of Mathematics, Vol. 2, Issue 1 (2014), pp. 58-74; ISSN No: 2309-4966.
- 854. S. K. Datta and D. C. Pramanik : Deductions on Slowly Changing Functions Oriented Bounds for the Zeros of Entire Functions, International Journal of Mathematics and its Applications, Vol. 2, No 1 (2014), pp. 21-40; ISSN No: 2347-1557.
- S. K. Datta, T. Biswas and G. K. Mondal: Growth properties of wronskians in the light of relative order, International Journal of Analysis and Applications, Vol. 5, No 1 (2014), pp. 81-90; ISSN No: 2291-8639.
- 856. S. K. Datta, T. Biswas and S. Bhattacharyya: Growth rates of meromorphic functions focusing relative order, Chinese Journal of Mathematics, Vol.2014, Article ID582082, 7pages, http://dx.doi.org/10.1155/2014/582082; ISSN No: 2314-8071.
- 857. S. K. Datta, T. Biswas and A. Haque : Estimation of maximum terms and maximum moduli related growth analysis of composite entire functions of single complex variables in the light of slowly changing functions, J. Assam Acad. Math., Vol. 6 (2014), pp. 41-57; ISSN No: 2229-3884.
- 858. L. M. S. Ruiz, S. K. Datta, T. Biswas and G. K. Mondal: On the (p,q)-th Relative Order Oriented Growth Properties of Entire Functions, Abstract and Applied Analysis, Volume 2014, Article ID 826137, 8 pages, http://dx.doi.org/10.1155/2014/826137.
- 859. S. K. Datta, T. Biswas and D. C. Pramanik : Growth of composite entire and meromorphic functions in the light of zero order and weak type, Universal Journal of Mathematics (UJMMS), Vol. 3, No. 1(2013), pp. 77-93; ISSN No: 2277-1417.
- 860. S. K. Datta, T. Biswas and S. Ali : Growth analysis of wronskians in terms of slowly changing functions, Journal of Complex Analysis, Vol.2013, Article ID 395067,9pages, http://dx.doi.org/10.1155/2013/395067; SSN: 2314-4963 (Print) ISSN: 2314 -4971 (Online)
- S. K. Datta, T. Biswas and R. Biswas : Some results on relative lower order of entire functions, Casp. J. Appl. Math. Ecol. Econ., Vol. 1, No. 2, (2013), pp. 3-18; ISSN No: 1560-4055.
- S. K. Datta, T. Biswas and S. Ali : Some growth properties of wronskians using their relative order, Journal of Classical Analysis, Vol. 3, No. 1, (2013), pp. 91-99; ISSN (Print): 1848-5979, (Online) :1848-5987.
- 863. S. K. Datta, T. Biswas and M. Biswas : Some relations on the growth rates of composite entire functions using their (p,q) th order, Tamkang Journal of Mathematics, Vol. 44 , No. 3 (Autumn 2013), pp. 289-301 ; ISSN No: 2249-6645.
- 864. S. K. Datta, T. Biswas and G. K. Mondal: Growth Properties of Differential Monomials and Differential Polynomials from the View Point of Slowly Changing Functions, J. Adv. Res. Appl. Math., Vol. 5, issue 4, (2013), pp. 44-70; ISSN No: 1942-9649.
- S. K. Datta, T. Biswas and R. Biswas: Comparative growth properties of composite entire functions in the light of their relative orders, The Mathematics Student, Vol. 82, Nos. 1-4 (2013), pp. 1-8; ISSN No: 0025-5742.
- 866. S. K. Datta and S. Ali : Common fixed point theorems for four mappings in complex valued metric space, International Journal of Functional Analysis, Operator Theory and Applications, Vol. 5, No24 (2013), pp. 91-102; ISSN No: 0975-2919.
- S. K. Datta and A. Biswas: On relative type of entire and meromorphic functions, Advances in Applied Mathematical Analysis (AAMA), Vol. 8, No. 2 (2013), pp. 63-75; ISSN No: 0973-5313.

- 869. S. K. Datta, T. Biswas and M. Biswas : Maximum modulus and maximum terms-related growth properties of entire functions based on relative type and relative weak type, International Journal of Atatistika and Mathematika, Vol. 6, No. 3(2013), pp. 115-120; ISSN No: 2249-8605.
- 870. S. K. Datta, T. Biswas and M. A. Haque : Maximum modulus and maximum term based growth analysis of entire function in the light of slowly changing function, Investigations in Mathematical Sciences, Vol. 3, No. 1(2013), pp. 113-125; ISSN No: 2250-1436.
- 871. S. K. Datta and P. Sen : Deduction of some relations connecting Bicomplex Analysis and Fluid Dynamics, International Journal of Advanced Scientific and Technical Research (IJASTR), Vol. 3, Issue3(May-June-2013), pp. 60-69; ISSN No: 2249-9954.
- 872. S. K. Datta, T. Biswas and S. Ali : Some results on wronskians using slowly changing functions, News Bull. Cal. Math. Soc., Vol. 36, No. 7-9 (2013). pp. 8-24; ISSN No: 0970-8596.
- 873. S. K. Datta and R. Biswas: A special type of differential polynomial and its comparative growth properties, International Journal of Modern Engineering Research (IJMER), Vol. 3, Issue 5, (Jul-Aug 2013), pp 2606-2614; ISSN No: 2249-6645.
- 874. S. K. Datta and M. Biswas: Further results on the basis of cauchy's proper bound for the zeros of entire functions of order zero, International Journal of Modern Engineering Research (IJMER), Vol. 3, Issue 4(Jul-Aug-2013), pp. 2197-2204; ISSN No: 2249-6645.
- 875. S. K. Datta and M. Biswas: Few results on Cauchy's proper bound for the zeros of entire functions of order zero, International Journal of Emerging Trends in Engineering and Development, Vol. 4, Issue 3(August 2013), pp. 21-39; ISSN No: 2249-6149.
- 876. S. K. Datta and A. Biswas : On relative proximate order and relative proximate type of entire and meromorphic functions, News Bull. Cal. Math. Soc., Vol. 36, No. 10-12 (2013). pp. 16-28; ISSN No: 0970-8596.
- 877. S. K. Datta, T. Biswas and G. K. Mondal: Applications of slowly changing functions in the estimation of growth rates of differential monomials and differential polynomials, Acta Universitatis Apulensis, Vol. 34(2013), pp 293-312; ISSN No: 1582-5329.
- 878. S. K. Datta and A. Biswas: On relative type of entire and meromorphic functions, Advances in Applied Mathematical Analysis, Vol. 8, No 2 (2013), pp.63-75; ISSN No: 0973-5313.
- 879. S. K. Datta, T. Biswas and G. K. Mondal: Slowly changing function oriented growth analysis of differential monomilas and differential polynomials, WSEAS Transactions on Mathematics, Vol. 12, Issue 6 (2013), pp. 703-715; ISSN No: 2224-2880.
- 880. S. K. Datta and R. Biswas: On the growth of a special type of differential polynomial considered by Bhooshnurmath and Prasad, International Journal of Advanced Scientific and Technical Research (IJASTR), Vol. 4, Issue 3, (Jul-Aug 2013), pp 198-213; ISSN No: 2249-9954.
- 881. "Uniqueness Of Meromorphic Functions Sharing Three Sets-Further Study", Analysis (Munich) (Oldenbourg Verlag), Vol. 34, No. 2, pp. 143-162, 2014 (with S. Majumder).
- 882. "Some Uniqueness Results Related To Meromorphic Function That Share A Small Function With Its Derivative", Mathematical Reports, Vol. 16, No.1, pp. 95-111, 2014 (with S. Majumder).
- 883. "A Uniqueness Result Related To Meromorphic Functions Sharing Two Sets II" Journal of Indian Mathematical Society, Vol. 81, No.1-2, pp.1-12, 2014. (with S. Majumder).

- "Bi-unique Range Sets For Meromorphic Functions" Nihonkai Mathematical Journal, Vol.24, No. 2, pp. 121-134, 2013.
- 885. "Meromorphic Functions With Deficiencies Generating Unique Range Sets", Journal of Contemporary Mathematical Analysis, Vol. 48, No. 6, pp. 310-321, 2013. (with S. Majumder).
- 886. A survey chapter with name : A Journey from Gross-Problem to Fujimoto-Condition (pp. 865-878) in the book "Analytic Number Theory, Approximation Theory, and Special Functions" published by Springer (ISBN 978-1-4939-0257-6) in Honor of Prof. Hari M. Srivastava was published with coauthor I. Lahiri
- 887. Additive and Multiplicative Structures of C*-Sets, Integers, Electronic journal of combinatorial number theory 14 (2014), A26.
- 888. A. Biswas& N. Modak (2013): On Solving Chance Constrained Programming Problems involving Uniform Distribution with Fuzzy Parameters, *Intelligent Decision Technologies*. Vol. 7, pp. 151 – 159, *IOS Press*, ISSN: 1872-4981 (Print); 1875-8843 (Online)
- 889. A. Biswas& N. Modak (2013): A Fuzzy Goal Programming Technique for Multiobjective Chance Constrained Programming with Normally Distributed Fuzzy Random Variables and Fuzzy Numbers, *International Journal of Mathematics in Operational Research*. Vol. 5, pp. 551 – 570, *Inderscience*., ISSN: 1757-5850 (Print); 1757-5869 (online)
- 890. A. Biswas& A. K. De (2013): Quadratic fuzzy bilevel chance constrained programming with parameters following Weibull distribution, *Lecture Notes in Computer Science*, Vol. 8298, pp. 406–418, *Springer Verlag*, ISSN: 0302-9743
- 891. D. Majumder, J. Debnath& A. Biswas (2013): Risk analysis in construction sites using fuzzy reasoning and fuzzy analytic hierarchy process, *Procedia Technology*, Vol. 10, pp. 604 – 614, *Elsevier*, ISSN: 2212-0173
- 892. N. Modak& A. Biswas (2014): A Fuzzy Programming Approach for Bilevel Stochastic Programming, Advances in Intelligence and Soft Computing, Vol. 236, pp. 125 – 136, Springer Verlag, ISSN: 1867-5662
- 893. A. Biswas& N. Modak (2013): A Unified Approach for Fuzzy Multiobjective Chance Constrained Programming with Joint Normal Distribution, In: Proceedings of World Congress on Engineering and Computer science 2013 (WCECS 2013), San Francisco, USA, pp. 566 – 571, Newswood Ltd, ISBN: 978-988-19252-3-7.
- 894. A. Biswas& K. Bose, (2013): A Fuzzy Goal Programming Technique for Quadratic Multiobjective Multilevel Programming, In Proceedings of the 2013 IEEE International Conference on Fuzzy Systems (FUZZ IEEE 2013), *Hyderabad, India*, pp. 1 – 8, *IEEE*ISBN: 978-1-4799-0020-6; ISSN: 1098-7584
- 895. Biswas& A. K. De (2013): A Priority based Fuzzy Programming Approach for Multiobjective Probabilistic Linear Fractional Programming, In Proceedings of the 2013 IEEE International Conference on Fuzzy Systems (FUZZ IEEE 2013), *Hyderabad, India*, pp. 1 – 6, *IEEE*, ISBN: 978-1-4799-0020-6; ISSN: 1098-7584
- 896. A. Biswas, D. Majumder& S. Sahu (2013): Fusion of Mamdani Fuzzy Inference System and Genetic Algorithm for Assessing Morningness, Advances in Energy Aware Computing and Communication Systems (ICECCS 2013). pp. 88 – 97, *McGraw Hills Education (India) Pvt Ltd.*, ISBN: 978-9-35-134332-5
- 897. A Sarkar, S. K. Hui and Matilal Sen, A study on Legendre curves in three-dimensional trans-Sasakian manifolds, Lobachevskii Journal of Mathematics, 35, (2014), 11-18.
- 898. A Sarkar and D. Biswas, Legendre curves on three-dimensional Heisenberg group, Facta Univ., 28(2013), 241-248.
- 899. A Sarkar and Matilal Sen, Locally φ-symmetric generalized Sasakian space-forms, Eukrainian Math. Journal (to appear, Vol 69, 2013)

- 900. A Sarkar, S. Ali and D. Biswas, On Submanifolds of (k,μ)-contact metric manifolds, Dhaka University Journal of Science, 61(2013), 93-96.
- 901. S.K. Datta, T. Biswas and S. Tamang: Some inequalities involving Fuzzy Complex Numbers, Theory and Applications of Mathematics & Computer Science, Vol. 4, No. 1 (2014), pp. 26-33. (#ISSN: 2067-2764, EISSN: 2247-6202).
- 902. S.K. Datta and S. Tamang : Some results on the exponent of convergence of zeros of entire functions, International Journal of Mathematical Manuscripts, Vol. 6, No.1 (2013), pp. 21-31. (#ISSN: 0974-2883).
- 903. Sahidul Islam "Multi-objective economic order quantity model under a constraint: A geometric programming approach", *The Journal of Fuzzy Mathematics*, USA, Vol. 20, No. 2, pp. 251-260, 2012. ISSN 1066-8950
- 904. 3rd International Conference on frontiers of Mathematics & Applications (ICFMA-2014), January 29-31, 2014Title: Multi-objective fuzzy economic production quantity model with space constraint: A geometric programming approach, Department of Mathematics, The University of Burdwan, Burdwan
- 905. National Seminar On Recent Perspectives on Nonlinear Mathematics & its application, March 25-26, 2014, Title: Multi-objective geometric programming problemDepartment of Mathematics, Visva-Bharati, Santiniketan, National Seminar On Mathematics for Nonlinear Systems, March 17-18, 2013, Multi-objective Entropy Transportation Problem, Department of Mathematics, Visva-Bharati, Santiniketan.
- 906. P. Sahoo and A. Banerjee, Nonlinear differential polynomials sharing fixed points with finite weight, DemonstratioMathematica, Vol.XLVI, No.1 (2013), pp. 51-62.
- 907. P. Sahooand S. Seikh, Meromorphic functions sharing a nonzero polynomial with finite weight, Bulletin of the Belgian Math. Society- Simon, Vol.20,No.2 (2013), pp. 253-267.
- 908. P. Sahoo and S. Seikh, Uniqueness of meromorphic functions sharing a nonzero polynomial with finite weight, Lobachevskii Journal of Mathematics, Vol.34, No.1 (2013), pp. 106-115.
- 909. P. Sahoo and S. Seikh, Meromorphic functions whose certain differential polynomials share a small function with finite weight, Analysis (Munich), Vol.33(2013), pp. 143-157.
- 910. P. Sahoo, Meromorphic functions sharing fixed points and poles with finite weights, ActaUniversitatisSapientiae, Mathematica, Vol.5 (2013), pp. 184-198.

DEPARTMENT OF MICROBIOLOGY

- 911. Mallick, I, Sk T. Hossain, S. Sinha and S.K. Mukherjee. 2013. Use of indigenous bacteria from arsenic contaminated soil for arsenic bioremediation. In edited Book volume 'MANAGEMENT OF NATURAL RESOURCES IN THE CHANGING ENVIRONMENT', Springer and Capital Publishing (in press, ISBN pending).
- 912. Hossain, Sk T., P. Das and S.K. Mukherjee. 2014. Toxicity of cadmium nanoparticles to *Bacillus subtilis*. Toxicol. Environ. Chem. 95: 1748–1756. (ISSN: 0277-2248) IF 0.66
- 913. Das, P., S. Sinha and S.K. Mukherjee. 2014. Nickel bioremediation potential of *Bacillus thuringiensis* KUNi1 and some environmental factors in nickel removal. Bioremed. J. 18: 169–177. (ISSN: 1088-9868) IF 0.7
- 914. Hossain, Sk T. and S.K. Mukherjee. 2013. Toxicity of cadmium sulfide (CdS) nanoparticles against *Escherichia coli* and HeLa cells. J. Hazard. Mater. 260: 1073-1082. (ISSN: 0304-3894) IF 4.1

- 915. Nath, T.K. and Mukherjee SK (2013) "Effect of arsenic-induced toxicity on germination and early seedling growth of *Phaseolus mungo* Roxb. And *Brassica nigra* Koch.". National Seminar on Frontiers in Modern Biology, IISER, Kolkata, India.
- 916. Hossain ST and Mukherjee SK (2014). "Cadmium sulfide nanoparticle toxicity on Escherichia coli and HeLa cells". Presented at the International Conference on 'Molecular Biology and its Application', organized by Department of Life Science & Biotechnology, Jadavpur University, Kolkata.
- 917. Mallick, I and Mukherjee SK (2014). "Arsenic bioremediation potential of a new arsenatereducing bacterium *Brevibacillus* sp. KUMAs1 isolated from rhizosphere soil". Presented at the International Conference on 'Molecular Biology and its Application', organized by Department of Life Science & Biotechnology, Jadavpur University, Kolkata.
- 918. Mukherjee SK (2013). "Biotechnology in Microbially Enhanced Oil Recovery". Refreshers Course in Zoology, Department of Zoology, Unversity of Calcutta.
- 919. Nilanjan Maitra, William Whitman, Saravanaraj Ayyampalayam, Srikanta Samanta Keka Sarkar et al. (genomeA01265-13). 2014. Genome Sequence of the Phosphorus Solubilizing and Mineralizing Bacterium *Bacillus* sp. Strain CPSM8. Genome Announcements, ASM. (Accepted). ISSN: 2169-8287 IF 0
- 920. Saptarshi Chatterjee, Keka Sarkar. 2013. A Computational and Mathematical Approach towards the Design and Synthesis of Uniform Au seed decorated Fe₃O₄ Nanoparticle for Potential Bio-application. Procedia Technology. 10: 457-463. ISSN: 2212-0173 IF 0
- 921. Sk. Manirul Islam, Anupam Singha Roy, Sasanka Dalapati, Rajat Saha, Paramita Mondal, Kajari Ghosh, Saptarshi Chatterjee, Keka Sarkar, Nikhil Guchhait. 2013. ParthoSynthesis, Crystal Structure and Spectroscopic Studies of a Cobalt(III) Schiff base Complex and Its Use as a Heterogeneous Catalyst for the Oxidation Reaction under Mild Condition. Journal of Molecular Catalysis A: Chemical. 380 : 94-103. ISSN: 1381-1169 IF 3.2
- 922. Saptarshi Chatterjee, Keka Sarkar. 2013. Surface-functionalized gold nanoparticles mediate bacterial transformation: a nanobiotechnological approach. Biotechnology Letters. (DOI:10:1007/S10529-013-1360-x) ISSN: 0141-5492 IF 1.8
- 923. Islam, E., Paul, D. Sar, P., 2014. Microbial Diversity in Uranium Deposits from Jaduguda and Bagjata Uranium Mines, India as revealed by clone library and Denaturing Gradient Gel Electrophoresis analyses. Geomicrobiol. J. DOI:10.1080/01490451.2014.907375 ISSN 0149-0451, IF 1.6
- 924. Chakraborty, A., Islam, E., 2013. The culturable bacterium isolated from copper mine soil useful in biometallurgical procedure. Frontiers in Modern Biology-2013, November, 9–10, IISER, Kolkata.

DEPARTMENT OF MOLECULAR BIOLOGY & BIOTECHNOLOGY

- 925. Adhikari S, Bandyopadhyay TK, Biswas, A. and Ghosh PD. 2014. A preliminary report on the genetic variation in pointed gourd (Trichosanthes dioica Roxb.) as assessed by random amplified polymorphic DNA. Acta Biologica Hungarica. 65(2): 156-164. 0236-5383 (Print) 1588-256X (Online). Impact Factor 0.504.
- 926. Adhikari S, Bandyopadhyay TK, Saha S. and Ghosh PD .2014. Efficiency of ISSR marker for characterization of Cymbopogon germplasms and their suitability in molecular barcoding. Plant Syst Evol. Published on line 10 June 2014. DOI 10.1007/s00606-014-1084-y. ISSN: 0378-2697 (print version) ISSN: 1615-6110 (electronic version). Impact factor 1.312.
- 927. Adhikari S, Bandyopadhyay TK, Ghosh PD .2014 Assessment of genetic stability of Cucumis sativus L. regenerated from encapsulated shoot tips. Scientia Horticulturae 170: 115–122,

doi.org/10.1016/j.scienta.2014.01.015, ISSN: 0304-4238, impact factor 1.730. Published on line 25 March 2014.

- 928. Dam, A. Paul, S, Bhattacharya, C and Bandyopadhyay, T K .2013. Effects of culture conditions on multiple shoot induction from inflorescence and RAPD analysis of cloned plants in Limonium sinensis (Girard) Kuntze, var. Golden Diamond. J.Plant Biochem. Biotechnol. DOI :10.1007/s13562-012-0164-8. Volume 22: 348-352. ISSN: 0971-7811 (print version) ISSN: 0974-1275 (electronic version) impact factor 0.414. published on July 2013.
- 929. Konar, S.,Dam, A.,Ojha,D.,Bandyopadhyay, T.K.(2013). Green synthesis of silver nanoparticles using *Hygrophila auriculata* leaf extract and its antibacterial activity against clinically isolated pathogens. Abstract published in Indraprastha International Conference on Biotechnology at University School of Biotechnology, Guru Govind Singh Indraprastha University, New Delhi (October 22-25,2013).: Abstract No.P157 NBT01, Page No. 144.
- 930. Ojha,D., Konar, S.,Dam, A.,Bandyopadhyay, M., Bandyopadhyay, T.K.(2013). Rapid *in vitro* propagation of *Aloe vera* L.: A miracle medicinal plant. Abstract published in BioSangam 2013,International Conference on Environment, Health and Industrial Biotechnology at Department of Biotechnology, Motilal Nehru National Institute of Technology, Allahabad.(November 21-23,2013).: Abstract No. ABT 050, Page No. 100.
- 931. Konar, S.,Dam, A.,Ojha,D.,Bandyopadhyay, T.K.(2013).Green synthesis of silver nanoparticles from leaf extract of *Peperomia pellucida* for enhanced antibacterial activity against clinically isolated human pathogens. Abstract published in 6th Bangalore India Nano International Conference (December 4-6, 2013). : Abstract No. POS-55, Page No. 55.
- 932. Bose.S.,Dam.A.,Basu.U.,Bandyopadhyay.M.,Bandyopadhyay.T.K.(2013):Somatic embryogenesis of Limonium sinensis from single cell culture. Abstract Published in Asian Congress on Biotechnology, New Delhi- December 15-19, 2013.
- 933. Saha T, Sasmal S, Alam S, Das N. Tamarind Kernel Powder: A Novel Agro-residue for the Production of Cellobiose Dehydrogenase under Submerged Fermentation by Termitomyces clypeatus J. Agri. Food Chem. 2014; 62: 3438-3445, Impact Factor: 2.906, ISSN: Print Edition ISSN: 0021-8561, Web Edition ISSN: 1520-5118
- 934. Adhikari S, Bandyopadhyay TK, Biswas, A. and Ghosh PD. 2014. A preliminary report on the genetic variation in pointed gourd (Trichosanthes dioica Roxb.) as assessed by random amplified polymorphic DNA. Acta Biologica Hungarica. 65(2): 156-164. 0236-5383 (Print) 1588-256X (Online). Impact Factor 0.504.
- 935. Adhikari S, Bandyopadhyay TK, Saha S. and Ghosh PD .2014. Efficiency of ISSR marker for characterization of Cymbopogon germplasms and their suitability in molecular barcoding. Plant Syst Evol. Published on line 10 June 2014. DOI 10.1007/s00606-014-1084-y. ISSN: 0378-2697 (print version) ISSN: 1615-6110 (electronic version). Impact factor 1.312.
- 936. Adhikari S, Bandyopadhyay TK, Ghosh PD .2014 Assessment of genetic stability of Cucumis sativus L. regenerated from encapsulated shoot tips. Scientia Horticulturae 170: 115–122, doi.org/10.1016/j.scienta.2014.01.015, ISSN: 0304-4238, impact factor 1.730. Published on line 25 March 2014.
- 937. Dam, A. Paul, S, Bhattacharya, C and Bandyopadhyay, T K .2013. Effects of culture conditions on multiple shoot induction from inflorescence and RAPD analysis of cloned plants in Limonium sinensis (Girard) Kuntze, var. Golden Diamond. J.Plant Biochem. Biotechnol. DOI :10.1007/s13562-012-0164-8. Volume 22: 348-352. ISSN: 0971-7811 (print version) ISSN: 0974-1275 (electronic version) impact factor 0.414. published on July 2013.
- 938. Konar, S.,Dam, A.,Ojha,D.,Bandyopadhyay, T.K.(2013). Green synthesis of silver nanoparticles using *Hygrophila auriculata* leaf extract and its antibacterial activity against clinically isolated pathogens. Abstract published in Indraprastha International Conference on

Biotechnology at University School of Biotechnology, Guru Govind Singh Indraprastha University, New Delhi (October 22-25,2013).: Abstract No.P157 NBT01, Page No. 144.

- 939. Ojha,D., Konar, S.,Dam, A.,Bandyopadhyay, M., Bandyopadhyay, T.K. (2013). Rapid *in vitro* propagation of *Aloe vera* L.: A miracle medicinal plant. Abstract published in BioSangam 2013,International Conference on Environment, Health and Industrial Biotechnology at Department of Biotechnology, Motilal Nehru National Institute of Technology, Allahabad. (November 21-23,2013).: Abstract No. ABT 050, Page No. 100.
- 940. Konar, S.,Dam, A.,Ojha,D.,Bandyopadhyay, T.K.(2013).Green synthesis of silver nanoparticles from leaf extract of *Peperomia pellucida* for enhanced antibacterial activity against clinically isolated human pathogens. Abstract published in 6th Bangalore India Nano International Conference (December 4-6, 2013). : Abstract No. POS-55, Page No. 55.
- 941. Bose.S., Dam.A., Basu.U., Bandyopadhyay.M., Bandyopadhyay.T.K. (2013): *Somatic embryogenesis of Limonium sinensis from single cell culture*. Abstract Published in Asian Congress on Biotechnology, New Delhi- December 15-19, 2013.
- 942. Asian Congress on Biotechnology, Asian Federation of Biotechnolgy, IIT Campus, New Delhi, December 15-19, 2013.
- 943. Seminar on GM Crops & Food Security, Organised by Dept. of Molecular Biology & Biotechnology, KU, at KU, 06/02/2014
- 944. Seminar on GM Crops & Food Security, Organised by Dept. of Molecular Biology & Biotechnology, KU, at KU, 06/02/2014
- 945. Basu U. Regulation of utrophin expression & its therapeutic implications in Duchenne Muscular Dystrophy. UGC sponsored State Level Seminar on "Biochemical Diversity Encompassing Advanced Sustainable Development". held on 14 December 2013 at Vivekananda College Kolkata 700063, 14.12.13

DEPARTMENT OF PHYSIOLOGY

- 946. Kaushik Sarkar, Panchali Tarafder, Partha P. Nath, Goutam Paul (2013). Bisphenol A Inhibits Duodenal Movement in Rat by Increasing Acetylcholinesterase Activity and Decreasing Availability of Free Ca2+ in Smooth Muscle Cells. Int. J. Pharm. Bio. Sci. 4(2): (B) 679-688, 2013. ISSN-0975-6299.IF-2.958.
- 947. Panchali Tarafder, Kaushik Sarkar, Partha P. Nath, Goutam Paul (2013). Inhibition of heart ventricular function of rat by Bisphenol A through oxidative stress induced injury of ventricular tissue. Int. J. Pharm. Bio. Sci. 4(2): (B) 811-820, 2013. ISSN-0975-6299.IF-2.958.
- 948. Partha Pratim Nath, Panchali Tarafder, Kaushik Sarkar, Goutam Paul (2013). Development of a visible spectrophotometric method for the Quantitative determination of metanil yellow in different food samples. Int. J. Pharm. Bio. Sci. 4(2): (P) 685-692, 2013. ISSN-0975-6299.IF-2.958.
- 949. Amit Ghati, Kaushik Sarkar, Goutam Paul (2013). Isolation, Characterization and Molecular Identification of Esterolytic Thermophilic Bacteria from an Indian Hot Spring. Curr Res Microbiol Biotechnol. 1(4).196-202. ISSN-2320-2246.
- 950. Amit Ghati, Kaushik Sarkar, Goutam Paul (2013). Production and characterization of an alkalothermostable, organic solvent tolerant and surfactant tolerant esterase produced by a thermophilic bacterium *geobacillus sp.* Agp-04, isolated from bakreshwar hot spring, India. Journal of Microbiology, Biothechnology and Food Sciences. 3(2). 156-162.ISSN-1338-5178. IF-0.3886.
- 951. Mouri Ghosh, Goutam Paul (2013). Intestinal dysfunction and alteration of various systemic and morphometric characters in albino rats (Charles Foster) under stress of inorganic arsenic

(ias) compounds: A pilot study. Int. J. Pharm. Bio. Sci. 4(2): (B) 1008-1016, 2013. ISSN-0975-6299.IF-2.958.

- 952. Diptendu Sarkar, Goutam Paul. A bio-technological approach on removal of LEAD ions from aqueous system by dry cells of Pseudomonas aeruginosa DSGPM4 species. International Journal of Biotechnology and Bioengineering Research. 4 (1); 11-19:2013. ISSN-2231-1238.
- 953. Diptendu Sarkar, Goutam Paul. Molecular characterization of metal and antibiotic resistance activities in a bacterial population isolated from wastewater sample. International Journal of Biotechnology and Bioengineering Research. 4(1); 21-30:2013. ISSN-2231-1238.
- 954. Diptendu Sarkar, Goutam Paul. Optimization of Protease Enzyme Production From Heavy Metal and Antibiotic Resistant Bacillus Species Isolated from Waste Water Sample. International Journal of Biotechnology and Biochemistry. 9(1); 49-59:2013. ISSN-0973-2691 (Print). ISSN-0974-4762 (Online).
- 955. Diptendu Sarkar, Goutam Paul. Optimization of Bacterial Extra-Cellular Polymeric Substance Production and Application of this Exopolymer in Toxic Metals Biosorption from Aqueous System. International Journal of Biotechnology and Biochemistry. 9(1); 13-21:2013. ISSN-0973-2691 (Print). ISSN-0974-4762 (Online).
- 956. Atanu Saha, Subhashis Sahu, Goutam Paul. An ergonomic questionnaire study on the job stresses of Police Officers. The Indian Police Journal. Vol. LIX, No. 3; 70-81. 2013. ISSN-0537-2429.
- 957. Kamalesh Das, Kaushik Sarkar, Panchali Tarafder, Partha P. Nath and Goutam Paul (2014). Chlorpyrifos suppresses female reproductive function in rat. Int J Pharm Bio Sci. 5(1): (B) 810-818. ISSN-0975-6299.IF-2.958
- 958. Suban Baskey, Mouri Ghosh, Panchali Tarafder, Kaushik Sarkar and Goutam Paul (2014). Chlorpyrifos impairs haematological and hepatic tissue functions by producing oxidative stress. J Pharm Bio Sci. 5(2): (B) 829-834.IF-2.958.
- 959. Goutam Paul, Mouri Ghosh, Kaushik Sarkar, Panchali Tarafder, Modulation of cholinergic and nitric oxide signaling pathways at the local efferent regulation of small intestine of rat by acute exposure of inorganic pentavalent arsenical. International Union of Physiological Sciences (IUPS) Congress 2013 held at ICC, Birmingham UK.
- 960. <u>Kaushik Sarkar, Panchali Tarafder, Mouri Ghosh, Amit Ghati, Goutam Paul</u>. Inhibition of duodenal movement in vitro of rat by Bisphenol A through nitric oxide mediated guanylyl cyclase and α-adrenergic pathways. International Union of Physiological Sciences (IUPS) Congress 2013, held at ICC, Birmingham UK.
- 961. <u>Panchali Tarafder, Kaushik Sarkar, Goutam Paul</u>. Inhibition of the ventricular function of rat by Bisphenol A. International Union of Physiological Sciences (IUPS) Congress 2013, held at ICC, Birmingham UK.
- 962. Mouri Ghosh, Goutam Paul. An explanation of motility dysfunction of gut due to arsenicosis via neurotransmitter pathway regulation and oxidative stress. International Union of Physiological Sciences (IUPS) Congress 2013, held at ICC, Birmingham UK.
- 963. Biswas, A, Majumder, D. Sahu, S. (2013): Fusion of Mamdani Fuzzy Inference system and genetic algorithm for assessing Morningness, In: Advances in Energy Aware Computing and Communication System, (Edited By H. Singh, J. Mathew, R.K.Bajaj and Mahesh P.) Tata McgrowHill, page 88 -97 (ISBN 1865-0929).
- 964. Sahu S, Moitra S, Maity SG, Pandit AK, Roy B (2013): A Comparative Ergonomic Postural Assessment of the Potters and the Sculptors in the unorganized sector residing in West Bengal, India. International Journal of Occupational Safety and Ergonomics (JOSE), 19 (3), 455-462. (ISSN 1080-3548, Impact factor 0.407).

- 965. Sahu S, Sett M Kjellstrom,T (2013): Heat exposure, cardiovascular stress and work productivity in rice harvesters in India: Implication for a climate change future, Industrial Health, 51 (2).424-431 (ISSN 0019-8366/1880-8026, Impact factor 0.940).
- 966. Sahu S, Chatterjee, A. (2013): Effect of Heat Exposure in Van-Rickshaw Pullers An Implication for a Climate Change Future, *Asian-Pacific Newsletter on Occupational Health and Safety*, 20(2), p 37-40. (ISSN 1237-0843/1458-5944)
- 967. Sahu S, Maity SG, Moitra S, Sett M, Halder P (2013): Cardiovascular Load During Summer work of Two Age Groups of Van-Rickshaw Pullers in West Bengal, India. International Journal of Occupational Safety and Ergonomics (JOSE), 9(4), 657-665. (ISSN 1080-3548, Impact factor 0.407)
- 968. Chakraborty P, Sahu S. (2013): The toto tribe in transition: A survey, Journal of Interacademicia, 17(2), 273 279 (ISSN: 0971-9016)
- 969. Saha A, Sahu S, Paul, G. Ghosh, P. (2014) : Assessment of Occupational stresses Among Police officers who impart teaching in police training college, West Bengal, International Journal of Recent Scientific Research, 5 (1), 277-284. (ISSN: 0976-3031)
- 970. Moitra S, Brashier BB, Sahu S. (2014): Occupational Cadmium exposure-associated oxidative stress and erythrocyte fragility among jewelry workers in India, American Journal of Industrial Medicine, 57, DOI 10.1002/ ajim.22336 (ISSN: 1097-0274, Impact factor 1.973)
- 971. Durlov S, Sahu S (2014). Study on the musculoskeletal problems among the male Handloom Weavers of Nadia. 21st West Bengal state science and technology congress held on Burdwan University, February 20-21, P 246.
- 972. Saha A, Sahu S, Paul G (2014). Evaluation of occupational stress and physiological status of high school teachers and law enforcement officer in Hooghly District: A comparative study. . 21st West Bengal state science and technology congress held on Burdwan University, February 20-21, P 239.
- 973. Adhikari A, Sahu S (2014). Assessment of the respiratory health of the Saw-Mill workers in Nadia District. 21st West Bengal state science and technology congress held on Burdwan University, February 20-21, P 144
- 974. Sahu S (2013): Cross National Survey of Morningness-Eveningness Orientation Based on rMEQ and it's application in Shift Work Tolerance in Indian Perspective. Proceedings of International conference on Ergonomics and Human Factors held on Vidyasagar University, December 4-6, P 34.
- 975. Haldar P, Biswas SC, Biswas N, Sahu S (2013). Evaluation of workload and performance of healthcare unit personnel working in rotating shift. Proceedings of International conference on Ergonomics and Human Factors held on Vidyasagar University, December 4-6, P 91.
- 976. Thesis Awarded: Shri Atanu Saha, Title: "Ergonomic Studies on Police Personnel Working in Rotating Shift in West Bengal, India". (University of Kalyani) 2013.
- 977. Roy A, <u>Lahiry L</u>, Banerjee D, Ghosh M, Banerjee S. Increased Cytoplasmic Localization of p27(kip1) and Its Modulation of RhoA Activity during Progression of Chronic Myeloid Leukemia. *PLoS One. 2013 Oct* 1;8(10):e76527. (eISSN-1932-6203) [Impact factor: 4.24]

DEPARTMENT OF STATISTICS

978. Designs robust against the presence of an aberration in a diallel cross design set-up(with A. Biswas and N. K. Mandal): Communications in Statistics- theory and Methods vol 42, 2810-2817(impact factor .24), 2013

- 979. Designs robust against violation of normality assumption in the standard F-test (with A.Biwas and N.K.Mandal); Communications in Statistics, theory and methods Impact factor .24, 2013 (To appear)
- 980. Optimum design for estimation of regression parameters in multifactor set-up (with G. Dutta), Communications in Statistics Theory and Methods (To appear)
- 981. Optimum designs for estimation of regression parameters in a balanced treatment incomplete block design set up (with G.Dutta): Journal of Statistical Planning and Inference vol 143, 1203-1214. Impact factor .559, 2013
- 982. D-optimal Designs for covariate model (with G. Dutta and N. K. mandal) Comm. Stat Theory and Meth., 43, 165-174, 2014
- 983. Optimum mixture designs in a restricted region (with M. Pal, N. K. Mandal and B. K. Sinha), Statistical Papers, 2013.
- 984. Optimal Mixture Experiments, Springer, With B.K.Sinha, N.K. Mandal and M. Pal (In press)
- 985. Journal of Statistical Computation and Simulation, Impact factor .629, ISSN 0094-9655

DEPARTMENT OF ZOOLOGY

- 986. Kaviraj, A. 2012. The changing global climate and future of marine and inland fisheries. In G.K.Saha (Editor). Climate change man and environment, Daya Publishers, New Delhi. Pp 227-235.
- 987. Saha Suchismita and Anilava Kaviraj. (2009). Effect of Ambient Temperature and Daylight on the Survival of Freshwater Catfish *Heteropneustes Fossilis* (Bloch, 1794) Exposed to Cypermethrin. ENVIRONMENTAL ENGINEERING SCIENCE (MARY ANN LIEBERT, INC. USA) 26(2): 459-462. doi:10.1089/ees.2008.0047
- 988. Saha, S., Kaviraj, A. (2009). Effects of cypermethrin on some biochemical parameters and its amelioration through dietary supplementation of ascorbic acid in freshwater catfish *Heteropneustes fossilis*, CHEMOSPHERE (ELSEVIER) 74 : 1254–1259 doi:10.1016/j.chemosphere.2008.10.056
- 989. Mondal, D. K. and Kaviraj. A. (2009). Distribution of fish assemblage in two floodplain lakes of orth 24 Paraganas in West Bengal, India. JOURNAL OF FISHERIES AND AQUATIC SCIENCE. 4(1): 12-21
- 990. Mukherjee, Sanjukta and Kaviraj Anilava. (2009). Necessity of dietary mineral supplements for the growth of freshwater fish *cyprinus carpio* and *Heteropneustes fossilis* ASIAN FISHERIES SCIENCE (MANILA) 22: 1087-1094
- 991. Bhattacharya, Madhuban (Datta) and Kaviraj Anilava. (2009). Toxicity of the pyrethroid pesticide fenvalerate to freshwater catfish *clarias gariepinus*: lethality, biochemical effects and role of dietary ascorbic acid. JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B (TAYLOR AND FRANCIS) 44, 578–583. DOI: 10.1080/03601230903000602
- 992. Mukherjee Sanjukta and Kaviraj Anilava. (2009). Evaluation of growth and bioaccumulation of cobalt in different tissues of common carp Cyprinus carpio fed cobalt supplemented diets. ACTA ICHTHYOLOGOCA ET PISCATORIA. 39 (2): 87–93 DOI: 10.3750/AIP2009.39.2.02
- 993. Mukherjee, Sanjukta and Kaviraj Anilava. (2009). Effects of dietary mineral supplements on growth of fingerlings of Labeo rohita (Hamilton) and *Labeo bata* (Hamilton). PROCEEDINGS NATIONAL ACADEMY OF SCIENCE, INDIA, SECTION B. 79:34-37.
- 994. Mondal, D.K. Kaviraj A. and Saha, S. (2010). Water Quality Parameters and Fish Biodiversity Indices as Measures of Ecological Degradation: A Case Study in Two Floodplain Lakes of

India. JOURNAL OF WATER RESOURCE AND PROTECTION 2: 85-92. (SCIENTIFIC RESEARCH, USA) DOI:10.4236/jwarp.2010.21010

- 995. Mondal, D.K. and Kaviraj A. (2010). Feeding and Reproductive Biology of Indian Shad *Gudusia chapra* in Two Floodplain Lakes of India. ELECTRONIC JOURNAL OF BIOLOGY. 6(4): 98-102
- 996. Datta, Somasree and Kaviraj, Anilava. (2010). Studies on bottom faunal biodiversity of sewage fed and traditional pisciculture ponds of West Bengal, India. POLLUTION RESEARCH (INDIA) 29(1):91-93.
- 997. Dasgupta, R., Chakravorty, P.P and Kaviraj, A. (2010). Studies on relative toxicities of six insecticides to epigeic earthworm *Perionyx excavatus*. BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY (SPRINGER). 85:83-86. DOI 10.1007/s00128-010-0038-5
- 998. Dasgupta, R., Chakravorty, P.P and Kaviraj, A . (2011). Susceptibility of epigeic earthworm Eisenia fetida to agricultural application of six insecticides. CHEMOSPHERE (ELSEVIER) 84 :724–726.
- 999. Mondal, Kausik, Anilava Kaviraj and Pratap Kumar Mukhopadhyay. (2011). Partial Replacement of Fishmeal by Fermented Fish-Offal Meal in the Formulation of Diet for Indian Minor Carp *Labeo bata*. JOURNAL OF APPLIED AQUACULTURE. (TAYLOR AND FRANCIS) 23(1): 41-50.
- 1000. Mukherjee Sanjukta and Kaviraj Anilava (2011). Ecotoxicological assessment of cobalt used as supplement in the diet of common carp *Cyprinus carpio*. BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY (SPRINGER). 87:527–530.
- 1001. Datta (Bhattacharya) Madhuban and Kaviraj Anilava. (2011). Acute toxicity of the synthetic pyrethroid pesticide fenvalerate to some air breathing fishes. TOXICOLOGICAL & ENVIRONMENTAL CHEMISTRY (TAYLOR AND FRANCIS) 93(10): 2034–2039.
- 1002. Mukherjee, S. and Kaviraj, A. (2011). Bioaccumulation of cobalt, digestive enzyme activities, and growth of freshwater catfish, Heteropneustes fossilis (Bloch), fed cobalt-supplemented diets. TOXICOLOGICAL & ENVIRONMENTAL CHEMISTRY (TAYLOR AND FRANCIS). 93(3): 575 584.
- 1003. Samaddar, A., Mandal, K. and Kaviraj. A. (2011). Evaluation of fermented mixture containing fish offal meal in compound diets for the freshwater catfish *Mystus vittatus* (Bloch). PROC ZOOL SOC (SPRINGER) 64(2):117–123.
- 1004. Dasgupta, R., Chakravorty, P.P and Kaviraj, A. (2012). Effects of carbaryl, chlorpyrifos and endosulfan on growth, reproduction and respiration of tropical epigeic earthworm, *Perionyx excavatus* (Perrier). JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH, PART B (TAYLOR AND FRANCIS). 47:2, 99-103.
- 1005. Mondal, Kausik, Anilava Kaviraj and Pratap Kumar Mukhopadhy. (2011). Freshwater catfish, *Heteropneustes fossilis*. ELECTRONIC JOURNAL OF BIOLOGY. 7(3): 54-59.
- 1006. Mondal Kausik, Kaviraj Anilava and Mukhopadhyay Pratap Kumar. (2012). Effects of partial replacement of fishmeal in the diet by mulberry leaf meal on growth performance and digestive enzyme activities of Indian minor carp *Labeo bata*. INTERNATIONAL JOURNAL OF AQUATIC SCIENCE. 3 (1): 72-83.
- 1007. Dasgupta, R., Chakravorty, P.P and Kaviraj, A. (2012). Effects of carbaryl, chlorpyrifos and endosulfan on growth, reproduction and respiration of tropical epigeic earthworm, *Perionyx excavatus* (Perrier). JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH, PART B (TAYLOR AND FRANCIS). 47:2, 99-103.
- 1008. Samaddar Ayan and Kaviraj Anilava. 2014. Processing of fish offal waste through fermentation utilizing whey as inoculums. INTERNATIONAL JOURNAL OF RECYCLING

OF ORGANIC WASTES IN AGRICULTURE (SPRINGER).3:45. DOI 10.1007/s40093-014-0045-3

- 1009. Kavira Anilava and Gupta Abhik. 2014. Biomarkers of Type II synthetic Pyrethroid pesticides in freshwater fish. BioMed Research International.Volume 2014, Article ID 928063, 7 pages http://dx.doi.org/10.1155/2014/928063
- 1010. Kaviraj,A.; Dasgupta,R. and Chakravorty, P.P. 2012. Ecotoxicological risk assessment of three insecticides using an epigeic earthworm. *In* George Sorial and Jihua Hong, eds. PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2012 VOL. 1. AMERICAN SCIENCE PRESS, HOUSTON, USA, PP. 546-551, ISBN: 9780976885351
- 1011. Kaviraj, A and Mondal D. (2012). Declining biodiversity of the floodplain lakes of Ichamati river basin in West Bengal. PROCEEDINGS OF THE NATIONAL SYMPOSIUM ON "WETLAND 2012" HELD AT DEPARTMENT OF LIFE SCIENCE, ASSAM UNIVERSITY, SILCHAR, NOVEMBER 21-23, 2012.
- 1012. Kaviraj.A. and Mondal D. 2012. Declining biodiversity of the floodplain lakes of Ichamati river basin in West Bengal
- 1013. Kaviraj, A, Dasgupta, R and Chakrabarty, P.P.. 2012. Ecotoxicological risk assessment of three insecticides using an epigeic earthworm. – International Conference on Environmental Science and Technology, Houston, Texas, USA, June 25-29, 2012
- 1014. Ecotoxicological risk assessment of three insecticides using an epigeic earthworm. International Conference on Environmental Science and Technology, Houston, Texas, USA, June 25-29, 2012
- 1015. Ecotoxicological Risks of Modern Type-II Pyrethroids to Non-Target Aquatic Organisms. -International Conference on Environmental Biology and Ecological Modelling (ICEBEM – 2014), Viswabharati University, Santiniketan, February 24 to 26, 2014
- 1016. Sarkar S. and Bandyopadhyay, P.K. (2013). Monocystis apareshae a new gregarine parasite (Protozoa: Apicomplexa: Monocystidae) of the Oligochaete host of Bangladesh published in Mordern Parasitology.Narendra Publishing.83-90
- 1017. Ghosh.S and Bandyopadhyay.P.K (2013) Identification of *Culex vishnui* (Diptera: Culicidae) the potent vector of Japanese Encephalitis, with special reference to its green control" Mordern Parasitology. Narendra Publishing.(In press)
- 1018. Panda S., Bandyopadhyay P.K. and Chatterjee S.N. (2013) Characterization of *Pseudomonas aeruginosa* PB112 (JN996498) isolated from infected *Labeo bata* (Hamilton) by 16S rRNA gene sequence analysis and fatty acid methyl ester (FAME) analysis. *African Journal of Biotechnology* 12(4): 400-405 IF:0.57
- 1019. Panda S. and Bandyopadhyay P.K (2013) Chemical Information from GC-MS Studies of Methanolic Leaf Extract of Andrographis paniculata and Datura metel and Their Antibacterial Activity Against Isolated Pseudomonas aeruginosa (PB112) Strain. International Journal of Pharma and Biosciences .4(1):909-915 IF: 2.9
- 1020. Majumder S, Panda S and Bandyopadhyay P. K. (2013) Effect of temperature on the prevalence of different parasites in Cirrhinus mrigala Hamilton of West Bengal. Journal of parasitic diseases. DOI 10.1007/s12639-013-0295-4;
- 1021. Biswas T., Bandyopadhyay P.K. and Chatterjee S.N.(2013) Accumulation of cadmium, copper, lead, zinc and iron in the edible oyster, *Saccostrea cucullata* in coastal areas of West Bengal African Journal of Biotechnology.12(24):3872-3877,DOI: 10.5897/AJB12.2896;IF:0.57

- 1022. Sarkar S. and Bandyopadhyay, P.K. (2013). A checklist of the species under the genus Monocystis von Stein, 1848(Apicomplexa: Sporozoa:Monocystidae) described from oligochate hosts. Zootaxa DOI: http://dx.doi.org/10.11646/zootaxa.3710.4.7IF:1.2
- 1023. Kundu I,Ghosh S, Bandyopadhyay P.K and Mandal D.R (2014)Pathophysiological effects of a nematode parasite *Eustrongylides* sp. larvae on serum biochemistryand hematology of freshwater fish, *Channa punctatus*.Parasitology (Cambridge journal) (Communicated) IF:1.25
- 1024. Ghosh S, Panda S and Bandyopadhyay P.K (2014)Description of three new species of *Myxobolus* Bütschli, 1882 (Myxozoa: Myxosporea: Bivalvulida) from edible freshwater fishes of West Bengal, India. Parasitology reserach, springer (communicated)
- 1025. Ghosh S and Bandyopadhyay P.K (2014) Characterization and pathophysiological studies of *Rhizomucor pusillus* PKBSG causing systematic zygomycosis in *Channa punctatus* cultured in India.Journal of Aquatic animal health, Taylor and Francis. (Communicated) IF:1.02
- 1026. Ghosh S, Panda S and Bandyopadhyay P.K (2014)Molecular characterization of a new species of Myxobolus Butschli, 1882 from the Indian major carp *Labeo rohita* (Hamilton) European journal of Protistology(Communicated) IF:1.02
- 1027. Molla SH and Bandyopadhay P. K.(2014) In vitro and in vivo anthelminitic activity of *Murraya koenigii* against gastro-intestinal nematodes of sheep.Journal of Parasitic Diseases(Springer) DOI: 10.1007/s12639-014-0510-y
- 1028. Biswas T., Bandyopadhyay P.K. (2014)First record of the genus Siphonaria sowerby, 1823 (Mollusca: Gastropoda: Siphonariidae), an associated organism of oyster from coastal zone of Sundarbans, West Bengal, India.Record of Zoological survey of India(In press)
- 1029. Sutapa Sarkar and P.K.Bandyopadhyay(2014) A New species of *Monocystis* Von Stein, 1848 (Apicomplexa; Conoidacida; Eugregarinida) from an Earthworm Host Bangladesh Proc. Nat. Con. Chal. Bio. Reso .Mang. ISBN 978-81-927762-0-0 (1):50-56
- 1030. Biplab Bhowmik, Amlan Kumar Mitra and P.K.Bandyopadhyay (2014) Studies on the biodiversity of Endoparasitic Aseptate Gregarines (Protozoa: Apicomplexa: Eugregarinida) from Earthworms of (Annelida: Oligochaeta)West Bengal Proc. Nat. Con. Chal. Bio. Reso .Mang.ISBN 978-81-927762-0-0 (1):9-15
- 1031. Tanima Biswas and P. K. Bandyopadhyay (2014) First record of the genus *Cryptosporidium* sp. (Apicomplexa: Eucoccidiorida: Cryptosporidiidae) from the edible oyster in Sundarbans region, West Bengal, India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):223-231
- 1032. Subarna Ghosh, Somerita Panda and P.K.Bandyopadhyay (2014) Phytochemical screening and *in-vitro* antimicrobial activities of *Nyctanthes arbortristis* Linn and *Euphorbia hirta* against three pathogenic bacteria. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):194-202
- 1033. Molla SH and Bandyopadhay P. K.(2014) Prevalence of some gastrointestinal nematode parasites in economically important bonpala sheep of teesta river vally, West Bengal ,India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):161-165
- 1034. Majumder S and Bandyopadhay P. K.(2014) A new strain of the bacterial species Pseudomonus aeruginosa isolated from fishes in West Bengal West Bengal ,India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):250-255
- 1035. Mitra A.K. and Bandyopadhay P. K.(2014) *Trichodina vittusi* sp.nov (ciliophora: peritrichia) in *Mystus vittatus* (Bloch) from river Matla, West Bengal ,India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):299-303
- 1036. New species of *Monocystis* Von Stein, 1848 (Apicomplexa; Conoidacida Eugregarinida) from an Earthworm Host Bangladesh.

- 1037. Studies on the biodiversity of Endoparasitic Aseptate Gregarines (Protozoa: Apicomplexa: Eugregarinida) from Earthworms of (Annelida: Oligochaeta)West Bengal.
- 1038. First record of the genus *Cryptosporidium* sp. (Apicomplexa: Eucoccidiorida: Cryptosporidiidae) from the edible oyster in Sundarbans region, West Bengal, India.
- 1039. Phytochemical screening and *in-vitro* antimicrobial activities of *Nyctanthes arbortristis* Linn and *Euphorbia hirta* against three pathogenic bacteria
- 1040. Seasonal Incidence of Protozoan Parasites affecting fresh water fishes of West Bengal, India
- 1041. Biodiversity Studies of Ectoparasitic Trichodinid Ciliophorans (Protozoa Ciliophora) in edible fishes of West Bengal, India
- 1042. Effect of Mahua Oil cake on blood parameters of carps; catla Catla, Labeorohita, Cirrhinusmrigala..Journal of Asian Academic Research.Vol: 16(1),December-2013, ISSN 2319-2801 impact factor-2.0
- 1043. Studies on water quality with special reference to limnological characteristics of Kalyani lake, West Bengal, India, ,IJSR- International Journal of Scientific Research Vol-3 issue 2, Feb 2014, ISSN No. 2277-8179. 30-32. Impact factor:1.71
- 1044. Pollutional impact of some selective agricultural pesticides on fish Cyprinuscarpio IMPACT: International Journal of Research in Applied, Natural and Social Sciences . Vol. 2, Issue 2, Feb 2014, 71-76 (IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580, Impact factor: 1.45
- 1045. A Study on profile of fishing community of the riverside villages of River Churni, Nadia, West Bengal with special reference to Socio-economic and technological appraisal of fishermen IMPACT: International Journal of Research in Applied, Natural and Social Vol. 2,issue 3, Mar 2014, 97-102Sciences IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580, Impact factor-1.45
- 1046. Studies on the effect of aquatic pollution on Ichthyofaunal diversity of the East Kolkata Wetlands IMPACT: International Journal of Research in Applied, Natural and Social Vol. 2,issue 4, March 2014, 145-152Sciences. IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580, Impact Factor: 1.0174
- 1047. Effect of Pollutional load on fish faunal diversity of Nabaganga river at Jhenidah District in Bangladesh. Metro Journal of Environmental Research, Salem, India. March 2014 Issn2348-5701, vol-1. Impact factor-1.3
- 1048. Fresh water fish diversity of Nabaganga river at Jhenidah district, Bangladesh, Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 819-927762-0-0, (2014), p-36-41
- 1049. Ecology and zooplankton diversity of a fllod plain wet land in west Bengal in India Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 81-927762-0-0, 2014, p-203-209
- 1050. Immuno biochemical characterization of leptin protein from Indian major carpslabeorohita. Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 81-927762-0-0, 2014, p-242-245
- 1051. A study on behavioral responces in cyprinuscarpio exposed to different toxic agricultural effluents. Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 81-927762-0-0, 2014, p-316-319
- 1052. Kundu, S, Biswas, M. K, Banerjee, A, Bhadra, K, Suresh Kumar, G, Drew, M.G.B, Bhadra, R and Ghosh, P. (2013) Synthesis, structure and DNA binding study of 9phenyldibenzo[a,c]phenazin-9-ium". *RSC Adv.* 3, 3054

- 1053. Santu Kumar Sahaa, Sourav Sikdar, Avinaba Mukherjee, Kakali Bhadra ,Naoual Boujedainic, Anisur Rahman Khuda-Bukhsh. (2013) Ethanolic extract of the Goldenseal, *Hydrastis canadensis*, hasdemonstrable chemopreventive effects on HeLa cells *in vitro*:Drug–DNA interaction with calf thymus DNA as target. *Envn. Toxl. Pharm*, 36, 204-214
- 1054. Sarkar, S. and Bhadra, K*. (2014). Binding of alkaloid harmalol to DNA: Photophysical and calorimetric approach. J. Photochem. Photobiol. B: Biol., 130, 272-280
- 1055. Bhowmik, B., Mitra, B. and Bhadra, K*. (2014). Diversity of insect pollinators and their effect on the crop yield of *Brassica Juncea* L., NPJ-93, from Southern West Bengal. *International Journal of recent scientific research*, 5, 1207-1213
- 1056. Bhowmik, B., Bhadra, K and Mitra, B*. (2014). Flower visiting insects and their role in pollination of the Maize crop (*Zea mays*) in West Bengal. *BIONOTES*, 16, 60-62; ISSN 0972-1800
- 1057. Sarkar, S. and Bhadra, K* (2014). Sequence specific binding of beta -carboline alkaloid harmalol with deoxyribonucleotides: binding heterogeneity, conformational, thermodynamic and cytotoxic aspects. *PloS One (accepted , in press), doi: 10.1371/journal.pone.0108022*
- 1058. Bhowmik, B. and Bhadra, K* (2014). Ecosystem services provided by insects through pollination. *Proc. Nat. Con. Cha. Bio. Res. Man.*, 130, 122-128; ISBN 978-81-927762-0-0
- 1059. Bhowmik, B., Bhadra, K* and Mitra, B. (2014). Diversity of insect pollinators of cash crop plants in southern West Bengal. *Journal of Soil Biology & Ecology (JSBE), in press,* Publisher- Indian society of soil biology and ecology, Bangalore, ISSN 0970-1370

Publications of year 2014-2015

DEPARTMENT OF BENGALI

- 1. Achinto Vedaved Tataa O Sree Chaitanya" (Sreechiatanya : Ekaler Bhavna, Edited by Tapas Basu) ISBN 978-93-83590-27-8
- 2. "Rabindra Natoke Sangeeter Babohar : Prosanga Muktadhara" (Muktodhara Alochona, Edited by Soumitra Chaottopadhya) ISBN + 978-93-83200-97-9
- **3.** "Murshidabader Bagri O Chai" (Bhasa Proyoge Babohar, Edited by Sukhen Biswas) ISBN-978-81-295-2365-5
- 4. "Bengey Gora, Gore Banga, Bengey Gora-Gor Srekhanda (Monobhumi, Editor : Amarchandra Karmakar) ISSN-2231-6515
- 5. 'প্রসঙ্গ : বাংলা ভাষা' (দ্বিতীয় খণ্ড) (2014) পৃষ্ঠা সংখ্যা: 214 Single Author 978-81-295-2176-07
- 6. 'Annual Report and Activities' (2014) Page No. 36 Editor
- 7. 'Resource & Research' (2014) Page No. Editor 50 81-86386-64-5
- 8. 'ভাষা : প্রয়োগে ব্যবহারে' (২০১৫) পৃষ্ঠা সংখ্যা : 142 9 Editor 78-81-295-2375-4
- 9. nahoÑl N£a;"¢m : aLÑ ¢haLÑ f^aù; pwMÉ; : 128-133 'nahoÑl Bm;L N£a;"¢m'Sh; Q-;f;dÉ;u pÇf;¢ca G¢o h¢`jQ¾cÊ L 대জ1421, 978-81-925320-0-4
- সত্যজিতের হাফ ডজন বিচিত্র ভূত পৃষ্ঠা সংখ্যা: ১৮৩-১৮৫, 'আম পাতা জাম পাতা' দেবাশিস বসু সম্পাদিত, একুশ শতক, ২০১৪

- 11. রক্তকরবীর অনুবাদ : নতুন সৃষ্টিতে উত্তীর্ণ পৃষ্ঠা সংখ্যা: ৫১-৫৪ 'রবীন্দ্র সৃষ্টি বিনির্মাণ ও বিকৃতি'ড. রবীন্দ্রনাথ বন্দ্যোপাধ্যায় সম্পাদিত, বঙ্গীয় সারস্বত সমাজ, ২০১৪, 978-93-82094-34-0
- **12.** বাংলা সম্প্রচারের ভাষা পৃষ্ঠা: ১৩৭-১৪২ 'ভাষা : প্রয়োগে ব্যবহারে' অধ্যাপক সুখেন বিশ্বাস সম্পাদিত দে'জ পাবলিশিং, ২০১৫ 978-81-295-2375-4
- **13.** রবীন্দ্রনাথ ও ভারত : প্রথম পর্বেপৃষ্ঠা :৭ ৮, 'বিভাগীয় সাহিত্য পত্রিকা' (৮ম)বাংলা বিভাগ, কল্যাণী বিশ্ববিদ্যালয়, ২০১৫, 2321-7375
- 14. Tarashankarer Uponyase Grambangla, Tarashankar: Jibon o Kriti, Deptt. of Bengali, K.U.4th August 2014, National (U.G.C. Sponsored)
- **15.** Rural Development Through NSS, Motivation Of Youth For Inspiring Rural Reconstruction, NSS K.U.& NCRI, HYDERABAD 12.11.2014, National (NCRI Hyderabad Sponsored)

DEPARTMENT OF COMMERCE

- 16. Bhunia, A. and Mukhuti, S. (March 1, 2015). Relationship between Gold Price and Stock Market-An Evidence of India: Gold Price and Stock Market, CreateSpace (Amazon.Com), ISBN-10: 1508686173, ISBN-13: 978-1508686170, U.S.A, available at http://www.amazon.com/Relationship-between-Price-Market-An-Evidence/dp/1508686173.
- Bhunia, A. (January 12, 2015). Adhunik Shilpamanaska Swami Vivekananda O Draridramukta Bharatbarsher Swapna, Aprameya Vivekananda (ISBN: 978-81-925539-1-7), edited by Dr. Kartik Chandra Mandal, Tamralipta Mahavidyalaya, 173-178.
- 18. Bhunia, A. (March 20, 2015). Investigating the Influence of e-banking Instruments on Banking Profitability-Empirical Evidence from India, e-banking: Its challenges and opportunities in Indian Economy, published by Department of Commerce (ISBN: 978-81-927508-1-1), Bethuadahari College, West Bengal, edited by Dr. Alak Kr. Das, 43-51.
- Bhunia, A. (June 2014). Underlying Relationship between Four Macroeconomic Variables and Sensex, BIOINFO Business Economics (ISSN: 2249-1775; EISSN: 2249-1783), 2(1), 013-016, available at http://www.bioinfopublication.org/journalarchive.php?opt=&jould=BPJ0000191.
- **20.** Bhunia, A. (Oct. 2014). How Does WTI Crude Oil Affect Economic Growth of India? Applied Economics and Business Review (ISSN: 2333-8709, EISSN: 2333-8717, DOI: 10.12966/aber.10.02.2014), 1(4), 94-98, available at <u>http://www.sciknowjournals.org/aber/</u>
- Bhunia, A. (Oct.-Dec. 2014). Macro-Econometric Model of a Developing Economy: A Case Study of Bangladesh (M. M. Ali), reviewed article, South Asian Journal of Management (ISSN: 0971-5428), 21(4), 198-201, available at http://www. <u>http://sajm-amdisa.org/</u>
- **22.** Bhunia, A. (Dec. 2014). Assessing the Influence of Selected Macroeconomic Variables on Stock Price Indices in India, Indian Accounting Review (ISSN: 0972-1754), 18(2), 20-37, available at <u>http://www.iaarf.in/</u>
- 23. Sarkar, T. K. and Bhunia, A. (February, 2015). Assessing Road Users' Accidental Risk A Case Study on Kolkata City, Scholars Journal of Economics, Business and Management (pISSN: 2347-9493, eISSN: 2347-5374), 2(2A), 211-216, available at http://saspjournals.com/sjebm-22.
- 24. Bhunia, A. and Ganguly, S. (February, 2015). Does Indian Stock Market Rely on other Asian Stock Markets?, American Research Journal of Humanities and Social Sciences, 1(1), 32-39, available at http://www.arjonline.org/papers/arjhss/v1-i1/5.pdf.

- **25.** Bhunia, A. (March 20, 2015). Investigating the Influence of e-banking Instruments on Banking Profitability-Empirical Evidence from India, e-banking: Its challenges and opportunities in Indian Economy, published by Department of Commerce (ISBN: 978-81-927508-1-1), Bethuadahari College, West Bengal, edited by Dr. Alak Kr. Das, 43-51.
- 26. 'Non-linear Effects in the Firm-specific Determinants of Corporate Capital Structure: Evidence from Selected Indian Cement Companies' in Vidyasagar University Journal of Commerce, Vol. 19.(ISSN: 0973-5917)
- 27. 'Facets of corporate governance system: a study of selected Indian companies' in International Conference on Corporate Governance on November 20-21, 2014.
- 28. Mandal, Biswambhar, "*Banking Sector & its Reforms: An Overview of the Indian Experience*", in a book "Insurance, Bank & Other Allied Financial Service Sector Reforms in India", edited by Dr. Kajalbaran Jana, published by Dept. of Commerce, Tamralipta Mahavidyalaya, Tamluk, Purba Medinipur, 2014, p. 151-155, ISBN: 978-81-925539-3-1.
- **29.** 2. Mandal, Biswambhar, "*Education and Human Resource Development- An Overview of Indian Experience*", in a Book "Education in the New Millennium", edited by Dr. S. Sabu, published by APH Publishing Corporation, New Delhi, 2015, pp.120-127, ISBN: 978-93-313-2557-0.
- **30.** Mandal Biswambhar, "Financing of Indian Higher Education: A Disciplined Move towards Privatization", in a Book "Contemporary Issues in Global Economy, Commerce and Management", edited by Lalit Kumar Joshi & Paramita Chakravarty, published by The Bhawanipur Education Society College, Kolkata, January, 2015, pp. 111-117, ISBN: 978-81-928721-9-3.
- **31.** Mandal, Biswambhar, "*RTE Act, 2009: An Appraisal*" *in a Book* "*Right to Education- Policy Perspective and Development*", edited by Jayanta Mete, Ajit Mandal, published by APH Publishing Corporation, New Delhi, 2014, pp.192-198, ISBN:978-93-313-2281-4.
- 32. Biswas, Anadi, Mandal Biswambhar, "Recent Accounting and Financial Control Practices in the Gram Panchayats in West Bengal A Case Study of Nadia District", in a Book "Contemporary Issues in Global Economy, Commerce and Management", edited by Lalit Kumar Joshi & Paramita Chakravarty, published by The Bhawanipur Education Society College, Kolkata, January, 2015, pp. 234-249, ISBN: 978-81-928721-9-3
- **33.** Mandal, Biswambhar, "Ganit Shastra o Srinivas Ramanujan", Sundaram Journal for all Subjects, A Multi-Disciplinary, <u>http://www.e-sundaramjournal.in</u>, Vol. 2, Issue 2, Dec. 2014, pp.125-128, e-ISSN 2347-6370.
- 34. Mandal, Biswambhar, "A Review of Ethical and Regulatory Issues in Accounting", Intercontinental Journal of Finance Research Review, Vol. 2, Issue 4, Dec., 2014, Bangalore, p. 199-205, ISSN: 2321-0354 (O), 2347-1654(P), Impact factor: 0.604.
- **35.** Mandal Biswambhar, "*FDI and Retail Business: An Overview of Indian Experience*", Edu Care, Vol. III, No. 1, January- December, 2014 Issue, pp. 245-247, ISSN: 2319-5282.
- 36. Mandal, Biswambhar & Bandyopadhyay, Debasis, "Role of SHG and bank Linkages in achieving financial inclusion in West Bengal", Vol. 2, Issue 1, January, 2015, pp. 29-36, Online ISSN 2347-7571.
- Sarkar, S. C. & Karak, D. K. (December, 2014). NPA Management of District Central Co-Operative Banks: A Study In Hooghly District of West Bengal, Business Perspectives (ISSN: 0975-0746), 5, 49-58.
- **38.** Sinha, Abhijit & Gandhi, S.K. (May, 2014) *"Financial Performance Analysis of Life Insurers in India"*, Scholars' Press, Germany. ISBN: 978-3-639-71237-7.

- **39.** Bhattacharya, Mahasweta & Gandhi, S.K. (November, 2014) "Financial Performance Analysis of General Insurance Companies in India", Scholars' Press, Germany. ISBN: 978-3-639-66678-6.
- **40.** Mukherjee, Nupur & Gandhi, S.K. *Application of AIS in Corporate Decision Making A Study based on Some Selected Companies in India* (Accepted for publication in The Business Perspective (December 2014), ISSN Journal of the Department of Commerce, University of Kalyani)
- **41.** The Role of Co-operative Institutions in Agricultural Finance in West Bengal: A Financial Appraisal Lambert Academic Publishing, Germany] [ISBN-13: 978-3-659-57162-6, ISBN-10: 3659571628, EAN: 9783659210280] (Joint author)
- 42. *Mergers and Acquisitions: The Indian Scenario* Scholars' Press, Germany] [ISBN: 978-3-639-66515-4, ISBN-10: 3639665155, EAN: 9783639665154] (Joint author)
- 43. Managing Agency System: The Genesis of the Era of Modern Business Finance in India [BIOINFO Business Economics, Vol.2 Issue1, 2014] [ISSN: 2249-1775 (Print), E-ISSN: 2249-1783 (Online)] [Impact Factor Value (ICV): 6.88 (2012); 4.28 (2011)]
- 44. Economic Facets of Digital Libraries: A Treatise, [Business Perspectives, Dept. of Commerce, University of Kalyani, Vol.4] [ISSN: 0975-0746]
- **45.** Performance of Selected Sector-Specific Mutual Fund Schemes in India: A Study of the Banking (Joint author) [*Business Perspectives*, Dept. of Commerce, University of Kalyani, Vol.4] [ISSN: 0975-0746]

DEPARTMENT OF ECONOMICS

- **46.** Datta, Nitish (2014), Dynamic Evaluation of Indian Commercial Banking Sector: A Bank Level Growth Frontier Approach in Ibrahim H. Osman and Abdel Latef Anouze & Ali Emrouznejad(ed) Strategic Measurement and Management Performance using Data Envelopment Analysis: Theory and Applications, IGI Global. ISBN: 978-1-4666-4474-8(hardcover), ISBN: 978-1-4666-4474-5(eBook), ISBN: 978-1-4666-4476-2(print & perpetual access).
- **47.** Ram Pratap Sinha and Datta, Nitish(2014), Performance Benchmarking of Indian Life Insurance Industry: A Unified Approach in Ibrahim H. Osman and Abdel Latef Anouze & Ali Emrouznejad(ed) Strategic Measurement and Management Performance using Data Envelopment Analysis: Theory and Applications, IGI Global. ISBN: 978-1-4666-4474-8(hardcover), ISBN: 978-1-4666-4474-5(eBook), ISBN: 978-1-4666-4476-2(print & perpetual access).
- 48. India in Transition (jointly with Anjan Chakrabarti and Anup Dhar) from Cambridge University Press, (forthcoming soon) I worked on this book in the period mentioned here viz. April 2014 – March 2015
- 49. A short note on the making and unmaking of the working class in India vis-a-vis Imperialism (Old and New) to be presented at the International Conference on Imperialism Old & New organised by Jamia Milia Islamia at IIC, New Delhi during 9th-10th February 2015.
- *50.* Some conceptual issues regarding forced migration in the border economy of West Bengal. This paper will be presented in the International Conference on Forced Migration organized by the Calcutta Research Group at Kolkata during 16-21st March 2015.
- *51.* Imperialism and Labour in India (February 2015)
- 52. Bartaman Poshcimbonge Shrom aar Shromojibi Ekti Onya Onushandan (in Bengali) to be published by March 2015 in a book review magazine BITORKIKA

- **53.** "A Study of Productivity Growth in the Registered Manufacturing Sector of India: 1980-81 to 2003-04"- in Kathuria, V., S.N. Rajesh Raj and K. Sen (ed.) *Productivity in Indian Manufacturing: Measurement, Methods and Analysis,* Routledge, U.K., 2014.
- 54. Who will haul the trash? Provision of Waste Management Services in Bally Municipality, Howrah (2015) in Mahalaya Chatterjee and Anis Mukhopadhyay eds. 'Urbanization in Howrah: A Socio Economic Perspective'. Primus Publishers New Delhi, ISBN 978-93-84082-39-0, pp 268-284
- **55.** Biases and Reliability of WTP estimates from Contingent Valuation responses : A study based on Solid Waste Management services in Bally Municiplaity, Howrah (2015) with Somdutta Banerjee, *Arthaniti*, XI(1-2), 2012 published in February, 2015, ISSN 0976-7479

DEPARTMENT OF FOLKLORE

- 56. Mandal, Sujay Kumar, "The Origin (Prose) Narrative of the Lepcha Community: Semiotic and Structural Analysis", Folklore and Folkloristics (Peer reviewed Online Journal), Vol.7, No.2, December, 2014, pp. 71-80. (NFSC Web Portal Publication/Website: <u>http://www.indianfolklore.org</u>), ISSN 2350-031X
- 57. Mandal, Sujay Kumar, "Bahusanskritibader Nirikhe Lokokabi Bijoy Sarkarer Ganer Dhara: Ekti Paryabekkhan", Lokokabi Bijoy Sarkar: Smarak Patra, Lokokabi Bijoy Sarkar Smarak Samiti, February, 2015, pp. 10-14.
- 58. Mandal, Sujay Kumar & Tanaya Mukherjee, "Traditional Terracotta Temple Architechture of the Temple Village Maluti in Jharkhand", Abstract Volume, National Seminar on Interdisciplinary Approaches in Science, Humanities and Culture, Organized by Kalyani University Research Scholars' Association (KURSA), Kalyani, West Bengal, May 28-29, 2014, pp. 47.
- **59.** Mandal, Sujay Kumar, "*Tarasankarer Uponyase Radher Lokojobon O Lokosanskriti*", UGC Sponsored National Seminar on *Tatasankar: Jibon O Kriti*, Organized by Department of Bengali, University of Kalyani, Kalyani, West Bengal, August 04, 2014.
- **60.** Mandal, Sujay Kumar & Saikat Chakraborty, *"Tourism and Folklore an Unexplored Approach Towards Community Development"*, Abstract Volume, UGC Sponsored National Seminar on *Folklore and Tribal Studies in Eastern and North-East India: Perspective and Present Status*, Organized by Department of Folklore, University of Kalyani, Kalyani, West Bengal, January 15-16, 2015, pp. 05.
- 61. Mandal, Sujay Kumar & Tanaya Mukherjee, "Terracotta Temple Architecture of Maluti in Jharkhand: Significance and Values from the Viewpoint of Cultural Heritage Resources", Abstract Volume, UGC Sponsored National Seminar on Folklore and Tribal Studies in Eastern and North-East India: Perspective and Present Status, Organized by Department of Folklore, University of Kalyani, Kalyani, West Bengal, January 15-16, 2015, pp. 08.
- **62.** Mandal, Sujay Kumar, "*Swami Vivekananda O Loukik Sthapattyariti*", Abstract Volume, International Seminar on *Swami Vivekanander Jibon O Karma Smarane*, Organized by NSS, University of Kalyani in collaboration with Youth and Sports Ministry, Govt. Of India at University of Kalyani, Kalyani, West Bengal, March 10-11, 2015, pp.01

DEPARTMENT OF HISTORY

- 63. *Nari Itihas Charcha O Itihas Samsad* (Studies on Women History &Itihas Samsad) in Nari: Andare Bahire, Hooghly Mohsin College, Hooghly, August, 2014, ISBN 978-81-908801-6-9.
- 64. Bangla Paribesh Patrikar Itihas (History of Bangla Environment- Periodicals) in Itihas Anusandhan 29, Kolkata, January 2015. ISBN 978-81-910874-5-1.

- **65.** *History of the Movement for the Donation of Posthumous Body* in Ratna Ghosh edited **The Study of Social History Recent Trends** Volume 2, Progressive Publishers, Kolkata, March 2015. ISBN 978-81-8064-210-4. [*Earlier version was published in the Inclusive*]
- **66.** Review Article on *Amjanatar Janya Banglar Rajnitir Itihas* (History of Bengal Politics for the Common People) in **Itikotha**, Vol II, No.1, May 2014, ISSN 2320-3447.
- 67. Mukher Kathay Itihas, Mukher Katharv Itihas in Lokayata, Vol. 24, No. 1, February 2015.
- **68.** *Paribeshbhabnar Prekshite Sindhusabhyata* in Ganabijnan Chetana, Vol. 18, No. 2-3, June-September 2014.
- 69. Tini Ramendrasundar in Kalantar, Festival Number 2014

DEPARTMENT OF LIBRARBY AND INFORMATION SCIENCE

- **70.** Implementation of Choice based Credit System in Library and Information Science Education with special reference to University of Kalyani. *In* Charaibeti: Golden Jubilee Commemorative Volume. Kolkata: Jadavpur University, 2014. p. 61-72. ISBN: 978-81-929886-0-3.
- 71. Information Needs and Information Seeking Behaviour of Faculty Members of Agricultural Universities in Bangladesh: A Study / with Md. Milan Khan. *International Journal of Social Sciences.* 24, 1; June, 2014. p 23-36. ISSN: 2305-4557.
- 72. "Learner Support in Open and distance Learning" (Abstract of Invited Lecture delivered at the National Seminar on "Distance Learning and Reciprocal Library services: Is Public Library Network the better option!!", organised by the School of Humanities and Social Sciences, Netaji Subhas Open University, Kolkata during June 06-07, 2014).
- **73.** Management of Indigenous Knowledge: What Libraries Can Do? (Abstract of the paper of 26th National Seminar of IASLIC, held at the Gauhati University, Guwahati, Assam, during November, 25-28, 2014.
- 74. ABSLA's role in raising status of school libraries. Proceedings of the Second ABSLA national Seminar, 2014 (Kolkata: All Bengal School Librarians' Association; Spetember 6-7, 2014). pp. 188-189. (ISBN: 978-93-5196-959-4)
- 75. Mukhopadhyay, Parthasarathi (2015). *Interoperability and Retrieval*. UNESCO: Paris, 2015. (ISBN: 978-92-3-100077-5, 162 p)
- **76.** International publication **Edited book**Mukhopadhyay, Parthasarathi (2014). Towards librarycentric education in secondary level. Proceedings of the 2nd ABSLA National Seminar (ISBN: 978-93-5196-959-4; 260 p.)
- 77. Mukhopadhyay, Parthasarathi (2014). Library standards: players, layers and followers. *In* Charaibeti: Golden Jubilee Commemorative Volume. Kolkata: Jadavpur University, August 2014. p. 130-150. ISBN: 978-81-929886-0-3.
- **78.** Mukhopadhyay, Parthasarathi (2014) with Mondal, S. and Tripati, T. Next generation OPAC in library automation: a comparative study of Koha and NewGenLib. *In* Charaibeti: Golden Jubilee Commemorative Volume. Kolkata: Jadavpur University, August 2014. p. -72. ISBN: 978-81-929886-0-3.
- Mukhopadhyay, Parthasarathi (2014). Automated and digital library systems in school libraries

 the open way. Proceedings of the Second ABSLA national Seminar, 2014 (Kolkata: All Bengal School Librarians' Association; Spetember 6-7, 2014). pp. 11-22. (ISBN: 978-93-5196-959-4)
- 80. Mukhopadhyay, Parthasarathi (2014). Paradigm shift in school education: role of school libraies as VLE providers. Proceedings of the Second ABSLA national Seminar, 2014 (Kolkata: All Bengal School Librarians' Association; Spetember 6-7, 2014). pp. 81-89. (ISBN:

978-93-5196-959-4)

- **81.** Course materials / modules for e-PG Pathshala programme of UGCMukhopadhyay, Parthasarathi (2015). NORMS AND GUIDELINES FOR CONTENT DEVELOPMENT
- 82. Mukhopadhyay, Parthasarathi (2015). CONTENT TYPES AND FORMATS
- **83.** Mukhopadhyay, Parthasarathi (2015). MULTILINGUAL CONTENT DEVELOPMENT
- **84.** Mukhopadhyay, Parthasarathi (2015). CONTENT MASHUP Course materials / modules for Digital library course of Vardhman Mahaveer Open University, Kota, Raj.
- 85. Mukhopadhyay, Parthasarathi (2014). DL Standards and Protocols
- 86. Mukhopadhyay, Parthasarathi (2014). Metadata Standards: Encoding and Harvesting
- 87. Mukhopadhyay, Parthasarathi (2014). Dublin Core Metadata Initiative.
- 88. Mukhopadhyay, Parthasarathi (2014). Metadata and Mark-up Languages
- **89.** Designing Questionnaire for Survey Method Using Dervin's Sense-Making Model. *In* Charaibeti-Golden Jubilee Commemorative Volume, August 2014, Department of Library & Information Science, Jadavpur University, Kolkata, West Bengal, India.
- 90. Role of Human Information Sources Towards Identifying the Factors Responsible for the Development of Clay dolls and Clay models of Krishnanagar area of Nadia district of West Bengal. IISRR- International Journal of Research. Vol. 1, No. 1, January 2015. ISBN: 2394–6873. Peer reviewed.
- 91. Importance of the Information required by the Artisans of Clay-based Handicrafts of West Bengal for their Product Development. Pp. 158-167. International Journal of Research (IJR). Vol. 1, No. 8, September 2014. ISBN: 2348-6848. Peer-reviewed. Indexed in PUBICON, ROAD, Google Scholar, Advance Science Index, Academia.edu, Cite Factor. Impact Factor: 3.541.
- 92. Terracotta Handicrafts of Bankura District of West Bengal, India: Role of Human Information Sources. Pp. 32-46. International Journal of Social Science & Interdisciplinary Research (IJSSIR). Vol. 3, No. 10, October 2014. ISBN: 2277-3630, Peer-reviewed. Indexed in Open J-Gate, India Cabell's Directory of Publishing Opportunities, Bibliothekssystem Universitat, INFO GUIDE. Impact Factor: 3.503

DEPARTMENT OF POLITICAL SCIENCE

93. Gorkhaland: The Dormant Volcano, A P H Publishing House, New Delhi, 2014.

INIV

- **94.** Rebels of Kamrup, A Search for Identity among Ahoms and Rajbanshis, A P H Publishing Corporation, New Delhi, 2015.
- **95.** Panchayats and Decentralization of Prisons, The role of Kiran Bedi in transforming Tihar jail, K. Jaishankar et al, ed. Indian Prisons, Towards Reformation, Rehabilitation, Resocialization
- 96. Swardha Shato Barshe Acharyya Brajendra Nath Seal'. Nagarik, 7, 34-48.
- 97. 'Acharyya Brajendra Nath Sealer Swadesh Chinta'. Uttarprasanga, 8 (1), 5-18.
- **98.** Uttarbanger Biparjaye Bijnannayak o Deshnayak, Edulight Vol.3, Issue 6, November, 2014, 313-19.
- **99.** Social Service Track Record of Revolutionaries of Bengal, Resource and Research, NSS, University of Kalyani, pp32-35.
- 100. Beyond the Private World: Indian Women in the Public Sphere, Gender and Governance: A Narrative of Women Empowerment in India, Edt by Dr. Subrata Bagchi, Primus Books, ISBN -978-93-84082-02-4, p 224-241.

- **101.** Arbitrary Removal of Governors by the Modi Government, Mainstream Weekly, VOL LII No 28, July 5, 2014. <<u>http://www.mainstreamweekly.net/article5041.html</u>
- **102.** Indian Ocean: Geopolitics and Geostrategic Dimensions Sayan Choudhuri (Ed), World View Kolkata, 2014 Chapter Title: The String of Pearls And India's Position In Indian Ocean Region
- 103. Empowering Women in India: Safeguards and Beyond in Jitendra Sahoo (ed.). India's Constitutional Development since the 1950s: Its Socio-Political and Economic Dimensions, New Academic Publishers. New Delhi. 2015 (ISBN: 978-8 1- 86772-80-5).

DEPARTMENT OF SANSKRIT

- 104. "The Role of King in the Dharmaśāstras: A Tension Between his Judicial Power and Directives of the Dharmaśāstra" in "Puṣpitāgrā: A Collection of Essays on Indology" [ISBN:978-93-83368-89-1], 2014 Published from Sanskrita Pustak Bhandar.
- **105.** "Practice of Textual Interpretations in Indian Tradition". (Forthcoming). American Philosophical Association's Newsletter for Asian-American Philosopher's and Philosophies (Spring. 2016).

DEPARTMENT OF PHYSICAL EDUCATION

- 106. International Journal Of Health, Physical Education & Computer Science In Sports Volume 17 No. 1, January 2015 To March 2015. Issn 2231-3265. Impact Factor 1.937
- 107. A Study On Position Of Center Of Gravity Of 5-11 Years Boys. (2)A Study On The Socio Economic Status Of West Bengal Women Cricketers
- 108. Global Journal for Research Analysis A peer reviewed and referred International Multi-subject JournalISSN No. 2277-8160. Vol 3, Issue 5, May 2014. Impact factor- 1.5408 Topic- Effect of Behavior Modification on Psychological Profile of Obese School Boys
- **109.** Journal of Educational ThoughtsMulti- disciplinary peer reviewed journal.ISSN No. 2348-1714 Vol 1- No.3 Sep 2014Topic- A Study of Retrospection of Indian Football.
- **110.** EDULIGHTInternational multi-disciplinary biannual and peer-reviewed journal.ISSN No. 2278-9545, Vol 3, Issue 6, Nov 2014.Topic- A Study on Lifestyle of Middle-aged Urban Males.Topic- A study on Health status of Middle-aged Urban Male.
- 111. Study on Performance Related Physical Fitness of Rural and Urban Footballers of West BengalInternational Educational E-Journal(An international E-Journal in Education and Physical education)Quarterly referred and open access journalVol.no:III, Issue:IV,Oct–Nov-Dec 2014ISSN: 2277-2456, Impact Factor: 2.325
- **112.** A Study on Football Skill of Rural and Urban Footballers of West BengalOnline international Interdisciplinary Research journalAn international Multidisciplinary JournalBi- monthly Referred and indexed open Access journalVol.No: IV, Issue: VI, Nov-Dec 2014ISSN: 2249-9598, Impact Factor: 2.217
- **113.** Effects of Diurnal Variation on Explosive Strength of Active Male and female StudentsOnline international Interdisciplinary Research journalAn international Multidisciplinary JournalBimonthly Referred and indexed open Access journalVol.No: V, Issue: II, March 2015 Special Issue ISSN: 2249-9598, Impact Factor: 2.217
- **114.** Effects of Diurnal Variation on Grip Strength of Active Male and female StudentsInternational Educational E-Journal(An international E-Journal in Education and Physical education)Quarterly referred and open access journalVol.No:IV, Issue:II,April –May-June 2015ISSN: 2277-2456, Impact Factor: 2.325

- 115. longitudinal study on balance among 10 years Boys and GirlsIndian Journal of Applied ResearchPeer Reviewed &Referred International JournalJournal Of all SubjectsVol.No:5, Issue:4,April 2015ISSN: 2249-555X, Impact Factor:3.6241
- **116.** Hindustani Classical Music, Ayurveda & health CareJournal of Indology & ScienceYearly Research Journal Vol.:5, No-2ISSN: 2229-6271
- 117. Analysis of goals scored in the 2007 world cup soccer tournament held in China.Education & Development Multi –Disciplinary, Peer Reviewed Journal.Vol. 3, No. 6 December 2013ISSN: 2248-9703
- 118. A comparative study of self-concept of district level different ball game playersJournal of Knowledge Multi –disciplinary, Peer Reviewed Journal.Vol. 1, No. 1, August 2013,ISSN 2321-791x
- **119.** Comparative Study on Flexibility and Kinesthetic Perception Between State Level Handball And Tchoukball Players.Different Perspectives of Education in Modern Society. Organized By JRSET College of Education Chakdaha,Nadia,West Bengal, on February 21st & 22nd,2015
- 120. A comparative Study of Psychological parameters between Under 14 and Under 19 Football Players of Santipur Zone.Different Perspectives of Education in Modern Society. Organized By JRSET College of Education Chakdaha,Nadia,West Bengal, on February 21st & 22nd,2015
- 121.)A comparative study of psychological parameters between under 14 years and under 19 years football players of Santipur zone. Different Perspectives of education in modern society.Organized By JRSET College of Education Chakdaha,Nadia,West Bengal, on February 21st & 22nd, 2015
- 122. A comparative study on performance related fitness of state level sub-junior soccer players and gymnasts. Department of Physical Education, Haldia Government College, Paschim Medinipur.Physical Education for health, wellness, fitness and social integrity March 22nd-23rd, 2013.
- 123. A comparative study on physical fitness and psychological profile of district level women football players and gymnasts. Socioeconomic and Sociocultural Perspective of Physical Education ,organized by Department of Physical Education, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Midnapur . 10th & 11th May, 2013
- 124. Analysis of goals scored in the football world cup tournament held in Germany. "Sustainable Development of Physical Education for health, active life style and well-being in 21st century "Department of Physical Education, Union Christian Training College.SEPTEBER 20th & 21st, 2013.
- 125. Traditional &Ancient Literature on Physical Education /Culture With Special Reference to Swami Vivekananda .Educational Thoughts of Swami Vivekananda Indian & Global Perspectives. Organized by Shimurali Sachinnandan College of Education, Shimurali, Nadia, West Bengal, on 10th-11th May-2015
- 126. The Contribution Of Legendary Physical Educationist of West Bengal. Art, Culture & ethics in the Perspective of Indian Education, Organized by Shimurali Sachinnandan College of Education, Shimurali, Nadia, West Bengal, on 11th-12th April-2015
- **127.** Comparative Study on Balance and Coordination of 12-16 years boys Journal of Knowledge Multi disciplinary, Peer Reviewed Journal Vol. 2, No. 4, June-2014, ISSN 2321-791X
- 128. Comparative Study of Divisional Variation on Selected Physiological Variables between Trained and Untrained Females Journal of education and development Multi disciplinary, Peer Reviewed Journal Vol. 4, No. 7, June-2014ISSN 2248-9703
- 129. A Relative and Co Relative Study on Body Composition and Motor Performance of School Students of four different altitude. Journal of Educational Thoughts Multi disciplinary, Peer Reviewed Journal Vol. 1, No. 3, September-2014, ISSN 2348-1714

- **131.** A Comparative Study on Balance and Flexibility Between National Participating and Non National Participating Artistic Gymnast of 11-14 years girls Journal of Educational Thoughts Multi disciplinary, Peer Reviewed Journal Vol. 1, No. 3, September-2014, ISSN 2348-1714
- **132.** A comparative and correlative study on selective skinfold thickness and motor performance of 15 years old boys of four different altitudes of Darjeeling District.Journal of KnowledgeMulti disciplinary, Peer Reviewed JournalVol. 2, No. 5, September-2014 ISSN 2321-791X
- 133. A study on the effect of Exercise on agility Flexibility and Balance on GymnastJournal of Knowledge Multi disciplinary, Peer Reviewed Journal Vol. 2, No. 5, September-2014ISSN 2321-791X
- **134.** Good Posture is a symbol of good healthISSN 0975-3966 Vol. 6, No. 2, November-December-2015AMASSMultilateral Research Journal Bi-lingual, Bi-annual
- **135.** A comparative study on various psychological parameters between university level male football players and state level athletes International Educational E-JournalISSN 2277-2456, Vol. III, Issue-IV Impact Factor-2.325 October, November, December, 2014 ISRA:JIF
- 136. A study on physique and fitness status of university female studentInternational Journal of Multidisciplinary Research and DevelopmentISSN(online): 2349-4182ISSN(print): 2349-5479Impact Factor-3.762Indexed Journal Referred Journal Vol. 2, Issue-3,2015
- 137. Effect of vitamin E supplementation and combined treadmill exercise towards development of leg strength, explosive strength and exercise oxygen uptake of male students Salman Farsi Mondal, <u>Pathikrit Bandopadhyay</u> (Corresponding Author), Journal of Pharmacy Research, Vol 8, Issue 7, 2014,p958-962,2014.ISSN (ONLINE): 0974-6943.
- **138.** Impact of KHO-KHO Playing on Physiological Changes and Development of Some Specific Skill Related Physical Fitness Factors Satabdi Mondal, <u>Pathikrit</u> <u>Bandopadhyay</u>(Corresponding Author), Indian Journal of Applied Research, Vol 4., Issue 8,2014(IF 2.16) ISSN No.2249-555X.Journal DOI: 10.15373/2249555X
- **139.** Mitochondria: Beyond Something than just a power house of a cell Mousumi Dutta, <u>Pathikrit</u> <u>Bandopadhyay</u> (Corresponding Author), International Journal of Pharmaceutical Sciences Review and Research, 30(1), January – February 2015; Article No. 14, Pages: 74-77. ISSN 0976 – 044X.
- 140. Erythrocyte functional status and lipid profile of coal mine workers of West Bengal, India Prasad SK., Bhattacharjee A., <u>Bandopadhyay P.</u>, Pal S., Syamal AK., Mukherjee S, Prog Health Sci 2014, Vol 4, No2.ISSN NO.2083-1617.
- **141.** A study on relationship between vitamine E supplimentation and sole morphology with performance level of football players Mukhia S., <u>Bandopadhyay P</u>.(Corresponding Author), Int J Pharm Bio Sci 2015 Jan; 6(1): (B) 274 281.ISSN-0975-6299.
- 142. Impact of Marching Towards Development of Coordination, Reaction Time of Male School Students Konai A., Dutta M., <u>Bandopadhyay P</u>.(Corresponding Author)International Journal of Multidisciplinary Educational Research Volume 3, Issue 9(4), September 2014,p115-128. ISSN NO-2277-7881.
- 143. A study on selective physical fitness components of state level male tribal footballers <u>Pathikrit</u> <u>Bandopadhyay</u> (Corresponding Author), Biswanath Murmu, International Journal of Physical Education, Sports and Health 2015; 1(4): p110-112.ISSN NO-2394-1693.
- **144.** Effects of combined short-term exercise and vitamin E supplementation on development of the relationship between anaerobic capacity and kinesthetic perception of male volleyball players

- 145. A Comparative Study To Explore The Difference On Body Composition Variables Between State Level Body Builders And Weight Lifters. International Journal of Innovative Research and Advanced Studies (IJIRAS) Volume 2Issue3, March2015 ISSN:2394-4404 Page 55.
- **146.** A study on body composition of children participating in regular football, cricket and gymnastic training IOSR Journal of Sports and Physical Education (IOSR-JSPE)Jan Feb 2015 Volume 2 Issue 1.
- 147. A Study to Explore the Effects of Varied Tempo music on Brisk Walking Performance IOSR Journal of Sports and Physical Education (IOSR- JSPE) Nov Dec 2014 Volume 1 Issue 7.
- **148.** A Study To Locate The Difference Between Active And Passive Recovery After Strenuous Workout IOSR Journal of Sports and Physical Education (IOSR-JSPE)July August 2014b Volume 1 Issue 6.
- **149.** A Comparative Study on Leisure-Time Activities between Rural and Urban Middle Aged Sedentary House Wives.Jan Feb 2015 Volume 2 Issue 1
- **150.** Paper published in peer reviewed journal Edulight topic: A study on the effects of 6 weeks yogic practices on trait and state anxiety of university students participating in a yoga training camp. May 2014. ISBN
- **151.** Yoga and value education a conglomeration of literary thoughts and ideas. Paper presented in UGC sponsored national seminar held at SS College of Education Simurali. 11-12 May 2015
- **152.** 2. A comparative study on leisure-time activities and health status of rural and urban middle aged sedentary house wives. Paper presented in UGC sponsored national seminar held at SS College of Education Simurali. 11-12 May 2015
- 153. 3. A comparative study on selected motor performance variables between prepubescent boys and girls. Paper presented in UGC sponsored national seminar held at SS College of Education Simurali. 11-12 May 2015
- **154.** On traditional formal and informal education a literary monograph. Paper presented in international conference held at JRSET college of education Palpara. 21 & 22 Feb. 2015.
- **155.** A comparative study on lifestyle and health risk factors between rural and urban middle aged sedentary house wives." Paper presented in international conference held at JRSET college of education Palpara. 21 & 22 Feb. 2015
- **156.** Unmesh Vol.10 No I&Z ISSN 0974-9829,2014
- **157.** IOSR Journal of Sports and Physical Education Vol.2. Jan-Feb'15
- **158.** International Journal of Physical Education, Sports and Health, 2015, 1(5)
- **159.** Yoga for wellbeing: An Epoch making concept. In Modern Trends in Education Jena, R.k.(Ed),1.3.2015). A.P.H Publishing Corporation: New Delhi. ISBN 978-93-313-2596-9
- **160.** Importance of Physical exercise on positive Lifestyle in the 21st century (Banik, S,&Mridha,S.)152-153 pp.
- **161.** International Journal of Health, Physical Education & Computer Science in sports (Impact Factor 1.937).ISSN 2231-3265 Vol, 17(1),January March 2015.
- 162. 2) A Study on Coping Strategies Among University Male Students. (Mondal. T &Mridha.S.)91-93, IJHPECSS. (Impact Factor 1.937) ISSN- 2231` - 3265, October – December. 2014.
- 163. 3) Comparative Study of Hip and Ankle Flexibility between Swimmers and Cricket Players, (Bala,B.,Mridha,S. &Bandopadhyay, K.1-8, Vol 10 (1&2), 2014, ISSN – 0974-9829 UNMESS. (Peer).

- **165.** A Comparative study on Psychological adjustment of the students of different category schools. Asian journal of Physical Education &Computer Science in Sports, Vol.10(1):75-77, ISSN- 0975-7732, Jan-June 2014(Impact Factor 0.519)
- **166.** A comparative Study on Achievement Motivation of Early Teen Students of two different Category Schools. International Journal of Physical Education on sports measurement and Yogic Sciences,4(3): 4-6. ISSN-2231-1394, July-Sept. 2014.
- **167.** Ph.D: Awarded: Sandip Mondal" A comparative Study on Urban And Rural Children in Respect of Growth Pattern, Motor and Cognitive Development" on 0 4.03.2015
- **168.** Ph.D: Awarded: Mander kanti Mondal"Aging Issues In relation to Performance Potentiality and Psychological variables" On 18. 07.2014
- **169.** Ph.D: Submitted: Sushanta Kesh " Effects of Speed-Strength and Plyometric Training on football and Volleyball Performance" on December ,2014

DEPARTMENT OF BUSINESS ADMINISTRATION

- **170.** "Determinants of Loan Losses of Indian Banks: a panel study", Journal of Asia Business Studies, Emeraldinsight, ISSN: 1558-7894, January, 2015, Vol. 9 Issue: 1, pp.17 32(jointly with Dr. AvijitBakshi)
- 171. A Cloud Based Architecture of Existing e-District Project in India towards Cost Effective e-Governance Implementation(Co-author-Sudhangsu Das, SajalBhadra) Proceedings of the 3rd International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA) 2014, Advances in Intelligent Systems and Computing, Springer International Publishing Volume 328, 2015, pp 65-73 Print ISBN978-3-319-12011-9 Online ISBN978-3-319-12012-6
- 172. A Centralized monitoring system for West Bengal e-Governance project: A proposed framework to ensure maximum availability (Co-author-Sudhangsu Das, SajalBhadra),pp:434-439, Elsevier,2014, ISBN:978-93-5107-248-5. Proceedings of 1st International Science & Technology Congress 2014
- 173. BIG Data Analysis for Indian e-Governance Projects—A Proposed Framework to Improve Real Time Reporting, (Co-author-Sudhangsu Das, SajalBhadra), Information Systems Design and Intelligent Applications Advances in Intelligent Systems and Computing Volume 340, 2015, pp 659-667,2015, Springer, Print ISBN978-81-322-2246-0, Online ISBN 978-81-322-2247-7
- 174. Role of Team Leaders in Employee Faith in the Performance Appraisal Practices: An Exploratory Study on the Software Professionals in Some Selected IT Companies in West Bengal (India), (coauthor Soma Bose Biswas), Information Systems Design and Intelligent Applications, Advances in Intelligent Systems and Computing Volume 340, 2015, pp 669-680, Springer, Print ISBN 978-81-322-2246-0, Online ISBN 978-81-322-2247-7
- **175.** "Branding in MSME Sector: Touching the Threshold of Sustainability", Effectiveness, Ethics and Sustainability: The Measures of Organizational Excellence, Excel India Publishers, New Delhi, 2014, page 339-346 (ISBN:978-93-83842-73-5) (Co-author: M. Banerjee)
- 176. "Emergence of Women Empowerment and its impact on Fashion Behaviour", Indo Global Journal of Applied Management Science, Vol. 2, No. 3, April 2014, page 173-175, (ISSN: 2320-7892). (Co-author: H. Siddika).

- 177. "Customer Value Expansion Approach: Intensive Strategies applied on Automobile Tyre Marketing", Gitam Journal of Management, Vol. 12, No. 2, April-June 2014, page 31-41, (ISSN: 0972-740X). (Co-author: S. Karan).
- **178.** "Corporate Social Responsibility: A Trailing Story", SIT Journal of Management, Vol.1 No. 1, June 2014, page 31 -39, (ISSN: 2349-6894). (Co-author: S. Ghosh).
- 179. "Brand Preference: A Key Determinant of Brand Loyalty", International Journal of Management & Technical Research, Vol. 1, No. 4, July-September 2014, page 52-57, (ISSN:2347-9035). (Co-author: A. Chatterjee).
- 180. "Does the Demographic Variables influence Fashion Behaviour? An Empirical Study", Indo Asian Journal of Advanced Management, Vol. 4, No. 1, January-June 2014, page 107-111, (ISSN:2250-1266). (Co-author: H. Siddika)
- **181.** "A Critical Review on the Potentials of Fashion Marketing for Clothing", International Journal of Functional Management, Vol. 2, No. 2, April 2014, page 96-99, (ISSN:2319-1406). (Co-author: H. Siddika).
- **182.** Apparel Promotion: Pivoting Fashion Behaviour", Globsyn Management Conference, Globsyn Business School, June 6 2014, page 126-140. (Co-author: H. Siddika).
- 183. "Fashion Behaviour and Its Sustainability in Apparel Industry" UGC Sponsored On-day National Symposium 2015 on Overcoming Challenges for Sustainable Corporate Excellence, March 21, 2015, Page 34. (Co-author: H. Siddika).
- **184.** A Chapter "An Empirical Study in Indian Share Market" in an edited volume published by Allied Publisher Pvt Ltd (2014).
- **185.** Importance of Entrepreneurship in India: A Study with few Case Studies.", The Brahmaputra: Rhythm of The Promises, ISSN: 2278-246X, June, 2014.
- **186.** "Option Pricing Model: A New Approach in Quantitative Finance.", Intercontinental Journal of Banking, Insurance and Finance, ISSN: 2350-0875, Volume 1, Issue 4, November, 2014.
- **187.** "Discovering Pricing of European Options under skewed Brownian Motion.", International Journal of Social Sciences Arts and Humanities, ISSN: 2321-4147, Volume 2, No. 2, November, 2014.
- **188.** "Entrereneurship & Traditional Business: Conceptual Frame Rhythm of The Promises, ISSN: 2278-246X, December, 2014." Work.", The Brahmaputra:
- **189.** "Portfolio Selection using Graph Theory: A New Approach." 51st Annual Conference of The Indian Econometric Society (TIES) during Dec 12-14, 2014.
- **190.** "Option Pricing Model: A New Approach In Quantitative Finance." 51st Annual Conference of The Indian Econometric Society (TIES) during Dec 12-14, 2014. (Abstract is published.).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- **191.** Samayita Bhattacharya and Kalyani Mali, "Common and Few Not-so-common Usages of Fingerprints And Multimodal Hybrid Biometrics", *International Journal of Advanced Scientific and Technical Research*, ISSN 2249-9954, (ISSUE 4, Vol. 4) August 2014, pp 693-700. Impact Factor:2.94
- 192. Samayita Bhattacharya and Kalyani Mali, "Fingerprint Recognition By Classification Using Neural Network And Matching Using Minutia (Fingerprint Recognition by NNMM Method)", *International Journal of Emerging Research in Management and Technology*, Volume 3 Issue 8, August 2014, pp 1-10.Impact Factor: 1.492

- **193.** Samayita Bhattacharya and Kalyani Mali, "Efficient & Effective Method to Solve Traditional SUDOKU Puzzle", *International Journal of Computer Application*, ISSN: 2250-1797, Issue 4, Volume 4, July-August 2014, pp 191-196.
- **194.** Kalyani Mali and Samayita Bhattacharya, "Fingerprint Matching Using Correlation (In Frequency Domain)," *International Journal of Advanced Research in Computer and Communication Engineering*, ISSN (Print): 2319-5940ISSN (Online): 2278-1021, Vol. 3, Issue 8, August 2014, pp 7686-7688.Impact Factor:2.080
- **195.** Samayita Bhattacharya and Kalyani Mali, "Comparative Study of Different Filters on Images (In Frequency Domain)", *International Journal of Advanced Research in Computer Science and Software Engineering*, ISSN (Online): 2277 128X, ISSN (Print): 2277 6451, Volume 4 Issue 7, August 2014, pp 948-954.Impact Factor:2.080
- 196. Ritaban Kirtania, Kalyani Mali, "Cardiac Arrhythmia Classification using Optimal Feature Selection and K-Nearest Neighbour Classifier" -International Journal Of Advanced Research In Computer Science and Software Engineering, ISSN:2277 128X, V5I1-0297(Jan, 2015). Impact Factor: 2.080
- 197. Palash Mondal,Kalyani Mali, "Cardiac Arrhythmia Classification using Decision Tree"-International Journal Of Advanced Research In Computer Science and Software Engineering, ISSN:2277 128X,V511-0337(Jan,2015).Impact Factor:2.080
- **198.** Samayita Bhattacharya and Kalyani Mali, "Limitations of Fingerprints Biometric", *Proc. of* 8th International Conference on Advanced Computing and Communication Technologies (ICACCTTM-2014), ISBN: 978-93-84935-00-9, Vol.2, pp 102-108.
- 199. .Samayita Bhattacharya and Kalyani Mali, "Fingerprint Recognition by Divide and Conquer Method", J.K. Mandal et al. (eds.), Information Systems Design and Intelligent Applications, Advances in Intelligent Systems and Computing 340, DOI 10.1007/978-81-322-2247-7_17, 2015, PP 153-163.
- 200. Sarkar, A., & Mandal, J. K. (2015). Particle Swarm Optimization based Session Key Generation for Wireless Communication (PSOSKG). In A. Bhattacharyya, S., & B. Dutta, P. (Eds.), Handbook of Research on Swarm Intelligence in Engineering, chapter 20, 701 E. Chocolate Ave., Hershey, Pennsylvania (USA): IGI GLOBAL. (Accepted). Indexed by: SCOPUS, Thomson Reuters, DBLP Computer Science Bibliography, ERIC Education Resources Information Center, and ACM Digital Library, CrossRef., Compendex, PsycINFO, INSPEC, Cabell's Directories, Google Scholar etc., 2015.
- **201.** Rajdeep Chakraborty, Sibendu Biswas and JK Mandal "Modified Rabin Cryptosystem through Advanced Key Distribution System", published in IOSR Journal of Computer Engineering (IOSR–JCE), e-ISSN: 2278-0661, p-ISSN: 2278-8727, accepted & published in Volume 16, Issue 2 Ver XII (Mar. Apr. 2014) issue, PP 01-07, Impact Factor: 1.213 indexed by NASA, Cross Ref, Arxiv.org, Cabell's, Index Copernicus, EBSCO Host, Ulrichs Web, Google Scholar, ANED, Jour Informatics, 2014.
- 202. Sarkar, A., Mandal, J. K. (2014). Cryptanalysis of Key Exchange method in Wireless Communication (CKE). International Journal of Network Security (IJNS), ISSN 1816 – 3548 [Online]; 1816 – 353X [Print]. (Accepted). Impact Factor: 1.39, Indexed by: SCOPUS, DBLP, SciVerse, Engineering Village, Ei Compendex, Summon by Serial Solutions, SCImago, EBSCO, DOAJ, Google Scholar etc., 2014.
- 203. Nandi, U and Mandal, J. K., "Achieving the Capability of a Dictionary Based Data Compression Technique OLZW and its Variants", International Journal of Electronics Communication and Computer Engineering, Volume 5, Issue 4, ISSN (Online): 2249–071X, ISSN (Print): 2278–4209,pp.921-926, Impact Factor: 1.0909, 2014.
- 204. Rajdeep Chakraborty, Sibendu Biswas and J K Mandal, "Modified Rabin Cryptosystem through Advanced Key Distribution System", published in IOSR Journal of Computer

Engineering (IOSR–JCE), e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 16, Issue 2 Ver XII (Mar. - Apr. 2014) issue, PP 01-07, Impact Factor: 1.213, indexed by NASA, Cross Ref, Arxiv.org, Cabell's, Index Copernicus, EBSCO Host, Ulrichs Web, Google Scholar, ANED, Jour Informatics(2014).

- 205. Mallick, M., Sengupta Madhumita and Mandal, J. K. (20th February, 2015). Authentication through Hough Signature on G-Let D4 Domain (AHSG D4), National Conference on Computational Technologies 2015 (NCCT'15), Organized by North Bengal University. Proceedings published with International Journal of Computer Science and Engineering. 3(1), 59 67, e-ISSN: 2347-2693, Impact Factor: 1.251, 2015.
- 206. Mukhopadhyay, S and Mandal, J. K., A Fuzzy Switching Median Filter of Impulses in Digital Imagery (FSMF), <u>Circuits, Systems, and Signal Processing</u>, February 2014, DOI:10.1007/s00034-014-9739-z,ISSN: 0278-081X, Springer US, <u>http://link.springer.com/article/10.1007%2Fs00034-014-9739-z</u>, Impact Factor: 1.264, 2014.
- 207. Bandyopadhyay, D, Dasgupta, K Mandal, J. K. Dutta, P, "A novel secure image steganography method based on Chaos theory in spatial domain", International Journal of Security, Privacy and Trust Management (IJSPTM), Vol 3, No 1, February 2014, pp: 11-21, 2014.
- 208. Rajdeep Chakraborty, Santanu Basak and JK Mandal "An FPGA Based Crypto Processor through Triangular Modulo Arithmetic Technique (TMAT)", published in International Journal of Multidisciplinary in Cryptology and Information Security (IJMCIS) ISSN 2320 2610, accepted & published in Volume 3, No.3 (May June 2014) issue, PP 14-20, indexed by Google scholar, Cite Seer, getCited, .docstoc, Scribd, Ulrich Web, Index Copernicus, Microsoft Academics, New Jour, DOAJ, 2014
- **209.** Singh, M.M.,Singh., A and Mandal, J.K., Towards Techniques of Detecting Node Replication Attack in Static Wireless Sensor Networks", International Journal of Information and Computation Technology, Vol 4, Number 2(2014), Pp 153-164, ISSN: 0974-2239., 2014
- **210.** Ghosal, S.K, Mandal J.K, "Color Image Authentication based on Two-Dimensional Separable Discrete Hartley Transform (CIA2D-SDHT)", Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE), France, communicated on line (www.amse-modeling.com under user of jkm), 2014.
- 211. Sarkar, A., Mandal, J. K. (2014). Computational Science guided Soft Computing based Cryptographic Technique using Ant Colony Intelligence for Wireless Communication (ACICT). International Journal of Computational Science and Applications (IJCSA), 4(5), 61-73, DOI: 10.5121/ijcsa.2014.4505, ISSN 2200 – 0011. Indexed by: Ulrichsweb, DOAJ, Scrib, getCITED, Pubget, .docstoc, pub zone, Open J-Gate, CiteSeerx, Google Scholar, cnki.net, etc.,2014.
- Sarkar, A, Mandal, J. K, "Soft Computing based Cryptographic Technique using Kohonen's Self Organizing Map Synchronization for Wireless Communication(KSOMSCT), International Journal in Foundations of Computer Science & Technology (IJFCST), Vol.4, No.5,),ISSN 1839-7662, Indexed on Google Scholar, EBSCO, DOAJ, SCRIBD, WorldCat,Vol.4, No.5, pp.85-100, (DOI:10.5121/ijfcst.2014.4508) September 2014.
- 213. Sarkar, A, Mandal, J. K, "Intelligent Soft Computing based Cryptographic Technique using Chaos Synchronization for Wireless Communication(CSCT), International Journal of Ambient Systems & Applications(IJASA), ISSN 2321-6344 (Print) ISSN 2320-9259 (Online), Indexed on Google Scholar, EBSCO, DOAJ, SCRIBD, WorldCat, Vol.2, No.3, pp.11-20, (DOI:10.5121/ijasa.2014.2302) September 2014.
- 214. Sarkar, A, Mandal, J. K, "Cryptanalysis of Key Exchange method in Wireless Communication (CKE)" (IJNS-2012-10-05-1), International Journal of Network Security, ISSN 1816-353X (Print) ISSN 1816-3548 (Online), Indexed on Scopus, DBLP, SCI, Taiwan(http://ijns.femto.com.tw/),(accepted July, 24 2014).

- **215.** S. K. Ghosal, J. K. Mandal, "Binomial Transform based Fragile Watermarking for Image Authentication" Journal of Information Security and Applications (Ref. No.: ISTR-D-13-00009R2, DOI: 10.1016/j.jisa.2014.07.004), Science Direct, Elsevier, Published on September 27,2014.
- **216.** Mandal, J K, Sing, M. M., Sing, A, "Towards Techniques of Detecting Node Replication Attack in Static Wireless Sensor Networks", International Journal of Information and Computation Technology, ISSN 0974-2239 Volume 4, Number 2 (2014), pp. 153-164, 2014.
- 217. Mandal, J. K.(coauthor) et al, "A Novel Secure Image Steganography Method Based On Chaos Theory In Spatial Domain", International Journal of Security, Privacy and Trust Management (IJSPTM) Vol 3, No 1, February 2014, pp.11-21, DOI:10.5121/ijsptm.2014.3102,link:<u>http://airccse.org/journal/ijsptm/papers/3114ijsptm02.pdf</u>, 2014.
- **218.** Chakraborty, R, Mandal, J.K. "Secure Encryption Technique (SET): A Private Key Crypto System' in the International Journal of Multidisciplinary in Cryptology and Information Security (IJMCIS)", ISSN 2320-2610, Vol.4, No.1 (January February 2015 issue), pp.10-13, 2015.
- 219. Paul, M, Mandal J. K., (12th-14th December, 2014), "A Cryptographic Scheme through cascaded Session based Symmetric Keys for Ubiquitous Computing", Emerging ICT for Bridging the Future Proceedings of the 49th Annual Convention of the Computer Society of India (CSI-2014), Springer AISC Series 337. Vol. 1, 525-532. 978-3-319-13728-5,2014
- 220. Bandyopadhyay, D, Dasgupta, K, Mandal, JK, Dutta, P, Ojha, V K, Snášel, Václav "A Framework of Secured and Bio-Inspired Image Steganography Using Chaotic Encryption with Genetic Algorithm Optimization (CEGAO)", Springer International Publishing, Proceedings of the Fifth International Conference on Innovations in Bio-Inspired Computing and Applications IBICA 2014, pp. 271-280,2014.
- 221. Sengupta, Madhumita, Mandal J. K., Khan Sakil Ahamed. (12th-14th December, 2014), "Image Authentication in Frequency domain through G-Let Dihedral Group D3 (IAFD-D3)", Emerging ICT for Bridging the Future - Proceedings of the 49th Annual Convention of the Computer Society of India (CSI-2014), Springer AISC Series - 337. Vol. 1, 145-152. 978-3-319-13728-5,2 014.
- 222. Sarkar, A and Mandal, J.K.," Comparative Analysis of Tree Parity Mac", Emerging ICT for Bridging the future- Proceedings of 49th Annual Convention of the Computer Society of India(CSI) Vol1, AISC 337 Springer, Springer, pp.43, December 12-14, 2014
- 223. Chakraborty, A and Mandal, J.K.," A GIS Anchored System for Clustering hine and Double Hidden Layer Perceptron based session key exchange in Wireless Communication", Bridging the future- Proceedings of 49th Annual Convention of the Computer Society of India(CSI) Vol1, AISC 337 Springer, Springer, pp.53, December 12-14, 2014
- **224.** Mandal, J.K., Datta, D. and Sarkar A, "Hopfield Network Based Neural Key Generation for Wireless Communication (HNBNKG) International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2014), AISC 328 series of Springer, Springer, pp.217, September 14-15, 2014.
- 225. Sengupta,M, Mandal J.K., Sarkar, A and Bhattacharjee T, "KSOFM Network Based Neural Key Generation for Wireless Communication", International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2014), AISC 328 series of Springer, Springer, pp.207, September 14-15, 2014.
- **226.** Sarkar A, Mandal, J.K. and Pritha Mondal, "Neuro-key Generation Based on HEBB Network for Wireless Communication", International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2014), AISC 328 series of Springer, Springer, pp.197, September 14-15, 2014.

- 227. Nandi Utpal and Mandal J. K., "Windowed Huffman Coding with Limited Distinct Symbols by Least Recently Used Symbol Removable", International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2014), AISC 327 series of Springer, Springer, pp.489, September 14-15, 2014
- **228.** S. Mukhopadhyay, P. Mandal, T. Pal and J. K. Mandal, "Image Clustering based on Different length Particle Swarm Optimization (DPSO)", International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2014), AISC series of Springer, Springer, pp.711, September 14-15, 2014
- 229. Goswami, J.Pal, M, Mandal, J.K., "A Symmetric Key Cryptographic Technique based on Frame Rotation of an even order square Matrix", Proceedings of Second International Conference on INformation Systems Design and Intelligent Applications-2015(INDIA-2015), 8-9 January 2015, University of Kalyani, West Bengal, India, Springer AISC 340, DOI:10.1007/978-81-322-2247-7_47,pp. 319-328, 2015
- 230. Pal, M, Mandal, J.K. and Singh, M. M, "Modified PCT on Variable Cipher Block Chaining Mode", Proceedings of Second International Conference on INformation Systems Design and Intelligent Applications-2015(INDIA-2015), 8-9 January 2015, University of Kalyani, West Bengal, India, Springer AISC 340, DOI:10.1007/978-81-322-2247-7_47, 2015
- 231. Mahapatra Suman, Mandal, J. K. Sengupta, Madhumita. (8th 9th January, 2015). Authentication in Higher Region of Convergence of Z Transform Domain (AHRocZ). Second International Conference on INformation Systems Design and Intelligent Applications - 2015 (INDIA-2015). Springer AISC – 340, 2015IEEE International Conferences
- 232. Singh M.M, Singh A. and Mandal, J.K., Preventing Node Replication Attack in Static Wireless Sensor Networks", Proceedings of 2014 IEEE 3rd International Conference ICRITO-2014, 8-10 October 2014, Amity University Uttar Pradesh Noida India.[IEEE Xplore,DOI:10.1109/ICRITO.2014.7014687]
- 233. Singh M.M, Baruah, M.and.Mandal, J.K, "Reliability Computation of Mobile Adhoc Network Using Logistic Regression", Proceedings of IEEE and IFIP 11th International Conference WOCN2014, 11-13 September 2014, K.L.University Vijayawada India.[IEEE Xplore, DOI: 10.1109/WOCN.2014.6923060]
- **234.** Gupta, A. K., Bhattacharya, I., Banerjee, P. S., Mandal, J. K., "A Co-operative Approach to Thwart Selfish and Black-hole Attacks in DTN for Post Disaster Scenario", in Proc. EAIT-2014 (IEEE Xplore), ISI, Kolkata, DOI, pp-, Dec 20-21, 2014
- 235. Pragati Mandal, J. K. Mandal, T Pal, "Adaptive Partial Image Encryption Technique based on Chaotic Map", 2014 Fourth International Conference on Emerging Applications of Information Technology (EAIT 2014), December 19-21, ISI, Kolkata, India, 2014
- 236. Sahil Sareen, J. K. Mandal, Tandra Pal, "Image Encryption using Genetic Algorithms", IEEE Seventh International Joint Conference on Computational Sciences and Optimization (CSO 2014), July 4-6, 2014, Beijing, China, 2014
- **237.** Mandal, J. K. Nandi, U, "Fractal Image Compression By Using Loss-Less Encoding On The Parameters Of Affine Transforms", IEEE International Conference ACES-14, HOOGHLY, WEST BENGAL, INDIA(2014)(accepted).
- **238.** Mandal, J. K. Nandi, U, "Fractal Image Compression using Fast Context Independent HV partitioning Scheme and MRBH, MRBHM coding", IEEE International Conference ACES-14, HOOGHLY, WEST BENGAL, INDIA(2014).
- 239. Sarkar, A., Changder, S and mandal, J. K., "A Threshold based Directional Weighted Median Filter for Removal of Random Impulses in Thermal Images", IEEE, 2nd International Conference on Business and Information management(ICBIM)- 2014, NIT Durgapur, Doi:978-1-4799-3264-1/14/\$31.00@2014 IEEE, pp., NTU Singapore.

- 240. Design and Implementation of Security System using Cipher Block Chaining (CBC) Mode" By Manas Paul on 26.09.2014 (Awarded)
- 241. "Estimation, Suppression and Optimization of Impulses in Digital Imagery " By Somnath Mukhopadhyay on 12.11.2014 (Submitted)
- **242.** "Towards Design and Implementation of Soft-computing based Cryptographic Techniques for Wireless Communication". By Arindam Sarkar on 28.11.2014 (Submitted)
- 243. Towards Design and Implementation of Discrete Transform Image Coding based Document Authentication Techniques" By Madhumita Sengupta on 25.02.2015 (Submitted
- 244. Talk on "Networking", at "Reaching Out" program to the school children organized by CSI Kolkata Chapter and Sundarban Unnayan Nigam, at High School, Gosaba, Sundarban on 19.7.14
- 245. Talk on "Digital Systems and Networking", at "Reaching Out" program to the school children organized by CSI Kolkata Chapter and Sundarban Unnayan Nigam, at Kalidanga High School, Basanti, Sundarban on 5.7.14
- 246. Invited talk on "Chaos based Security and Authentication", Computational Intelligence in Data Mining (Published by Springer Volume 1 & 2), ICCIDM Department of Computer Science and Engineering, Veer Surendra Sai University of Technology (VSSUT), Burla, Sambalpur 768018, Odisha, India, 20-21 December 2014.
- "ANN on, 247. Invited talk based Cryptographic Techniques in Wireless Communications","Eleventh International Conference on Wireless and Optical Communications Networks WOCN2014 Next Generation Internet 11th, 12th and 13th of September 2014, Vijayawada, Andhra Pradesh, INDIA(http://www.wocn2014.org), on 11.09.2014, 2014
- 248. Expert Lecture on "Computer Science Honours Curriculum", At the Department of Computer Science, University of Burdwan on 6.8.2014.
- 249. Expert Lecture on "Image and Document Authentication and their use in Life Sciences", Staff Development Programme conducted by the Department of Botany, University of Kalyani on 30.6.2014
- **250.** Invited talk on "State-of-the-art Invisible Communication for Authentication", First National Conference on Microelectronics, Circuit & Syatem Design(Micro-2014), 11-13th July, 2014, HOTEL HYATT REGENCY, Salt Lake, Kolkata, on12.07.2014
- **251.** Invited Talk on "Security & Authentication of Documents", in the Workshop on Document Security and Telecom networking, at Techno Salt Lake Campus, on 29.03.2014
- **252.** Invited Talk on "Steganography", in the National Conference on Research Trends in Computer Science & Application(NCRTCSA 2014), at SIT, Siliguri, on 08.02.2014.
- **253.** Invited Talk on "Security and Authentication of Documents", in the IETE Student Day at IETE, Kolkata, on 01.02.2014
- **254.** Invited Lecture on "Data Authentication using Digital Signature and watermarking" in the Seminar of Haripal Vivekananda Mahavidyalaya, Haripal on 11.01.2014.
- **255.** Invited Talk on "Authentication of legal Documents using Steganography" in the Seminar of Student day Celebration, IETE on 1.02.2014.
- **256.** "Internet Technology and Image Processing in Open Source", UGC Sponsored Orientation Program conducted by Academic Staff College, Burdwan University, March, 17, 2015.
- **257.** "Chaos based Image Authentication", National Conference on Computational Technologies 2015(NCCT'15), 20th February, 2015, Department of Computer Applications, North Bengal University, 2015.

- **259. A. Mukhopadhyay** and S. Poddar, "Matlab GUI Package for Comparing Data Clustering Algorithms", Soft Computing Techniques in Engineering Applications, Studies in Computational Intelligence, Vol. 543, Springer-Verlag, 2014.
- **260. A. Mukhopadhyay**, U. Maulik, S. Bandyopadhyay and C. A. Coello Coello, "A Survey of Multi-Objective Evolutionary Algorithms for Data Mining: Part-I", IEEE Transactions on Evolutionary Computation, Vol. 18, No. 1, pp. 4-19, 2014. (**Impact Factor: 5.545**)
- 261. A. Mukhopadhyay, U. Maulik, S. Bandyopadhyay and C. A. Coello Coello, "Survey of Multi-Objective Evolutionary Algorithms for Data Mining: Part-II", IEEE Transactions on Evolutionary Computation, Vol. 18, No. 1, pp. 20-35, 2014. (Impact Factor: 5.545)
- 262. S. Bandyopadhyay, S. Mallik and A. Mukhopadhyay, "A Survey and Comparative Study of Statistical Tests for Identifying Differential Expression from Microarray Data", IEEE/ACM Transactions on Computational Biology and Bioinformatics, Vol. 11, No. 1, pp. 95-115, 2014. (Impact Factor: 1.536)
- 263. A. Mukhopadhyay, S. Ray and U. Maulik, "Incorporating the type and direction information in predicting novel regulatory interactions between HIV-1 and human proteins using a biclustering approach", BMC Bioinformatics, Vol. 15, No. 26, 2014. (Impact Factor: 2.672)
- **264.** M. Mandal and **A. Mukhopadhyay**, "A Novel PSO-based Graph-Theoretic Approach for Identifying Most Relevant and Non-redundant Gene Markers from Gene Expression Data", International Journal of Parallel, Emergent and Distributed Systems, Vol. 30, No. 3, 2014.
- 265. M. Mandal and A. Mukhopadhyay, "<u>A Graph-Theoretic Approach for Identifying Non-redundant and Relevant Gene Markers from Microarray Data Using Multiobjective Binary PSO</u>", PLOS ONE, Vol. 9, No. 3, 2014. (Impact Factor: 3.534)
- 266. A. Mukhopadhyay and U. Maulik, "<u>Network-based Study Reveals Potential Infection</u> <u>Pathways of Hepatitis-C Leading to Various Diseases</u>", PLOS ONE, Vol. 9, No. 4, 2014. (Impact Factor: 3.534)
- 267. A. Mukhopadhyay and M. Mandal, "Identifying Non-redundant Gene Markers from Microarray Data: A Multiobjective Variable Length PSO-based Approach", IEEE/ACM Transactions on Computational Biology and Bioinformatics, Vol. 11, No. 6, pp. 1170-1183, 2014. (Impact Factor: 1.536)
- 268. S. Bandyopadhyay, S. Ray, A. Mukhopadhyay and U. Maulik, "A Review of In Silico Approaches for Analysis and Prediction of HIV-1-Human Protein-Protein Interactions", Briefings in Bioinformatics, doi: 10.1093/bib/bbu041, 2014. (Impact Factor: 5.919)
- 269. S. Mallik, A. Mukhopadhyay and U. Maulik, "RANWAR: Rank-Based Weighted Association Rule Mining from Gene Expression and Methylation Data", IEEE Transactions on NanoBioscience, Vol. 14, No. 1, pp. 58-65, 2015. (Impact Factor: 1.768)
- 270. M. Mandal, A. Mukhopadhyay and U. Maulik, "Prediction of protein subcellular localization by incorporating multiobjective PSO-based feature subset selection into the general form of Chou's PseAAC", Medical & Biological Engineering & Computing, Vol. 53, No. 4, pp. 331-344, 2015. (Impact Factor: 1.500)
- 271. U. Maulik, S. Mallik, A. Mukhopadhyay and S. Bandyopadhyay, "Analyzing Large Gene Expression and Methylation Data Profiles using StatBicRM: Statistical Biclustering-based Rule Mining", Plos One, Vol. 10, No. 4, 2015. (Imapact Factor: 3.534)
- A. Mukhopadhyay, U. Maulik and S. Bandyopadhyay, "A Survey of Evolutionary Multiobjective Clustering", ACM Computing Surveys, 2015 (Accepted). (Impact Factor: 4.043)

- 274. M. Mandal, J. Mondal and A. Mukhopadhyay, "A PSO-based Approach for Pathway Marker Identification from Gene Expression Data", IEEE Transactions of NanoBioscience, 2015 (Accepted). (Impact Factor: 1.768)
- **275.** B. Barman and **A. Mukhopadhyay**, "Detection of Differentially Expressed Genes in Wild Type HIV-1 Vpr and Two HIV-1 Mutant Vprs", In Proc. Int. Nat. Conf. FICTA-2014, AISC (Springer), Vol. 327, pp. 597-604, Bhubaneswar, India, November 2014.
- **276.** M. Mandal and **A. Mukhopadhyay**, "Predicting Protein Subcellular Localization: A Multiobjective PSO-based Feature Subset Selection from Amino Acid Sequence of Protein", In Proc. ICIT-2014, Bhubaneswar, India, December 2014.
- **277.** B. Barman and **A. Mukhopadhyay**, "Studying Gene Ontological Significance of Differentially Expressed Genes in Human Pancreatic Stellate Cell", In Proc. CSI-2014, AISC (Springer), Vol. 337, pp. 11-17, Hyderabad, India, December 2014.
- **278.** S. Ray, S. Biswas, **A. Mukhopadhyay** and S. Bandyopadhyay, "Detecting Perturbation in Coexpression Modules Associated with Different Stages of HIV-1 Progression: A Multi-objective Evolutionary Approach", In Proc. EAIT-2014, Fourth International Conference on Emerging Applications of Information Technology, Kolkata, India, December 19 - 21, 2014.
- **279.** M. Mandal, S. Maity and **A. Mukhopadhyay**, "Partial Rank Aggregation using Multiobjective Genetic Algorithm: Application in Ranking Genes", In Proc. of Int. Conf. Advances in Pattern Recognition (ICAPR-2015), Kolkata, India, January 2015.
- 280. P. Biswas, B. Barman and A. Mukhopadhyay, "Construction of Co-expression and Co-regulation Network with Differentially Expressed Genes in Bone Marrow Stem Cell Microarray Data", In Proc. 2nd Int. Conf. Information Systems Design and Intelligent Applications (INDIA-2015), AISC (Springer), Vol. 339, pp. 761-769, Kalyani, India, January 2015.
- **281.** Kumar Sharma, Ujjal Marjit, and **Utpal Biswas**, "Linked Data Generation with Provenance Tracking: A Review of the State-of-the-Art", International Journal of Scientific & Engineering Research, ISSN: 2229-5518, Volume 5, Issue 12, pp. 289-295, December-2014.
- **282.** Kumar Sharma, Ujjal Marjit, and **Utpal Biswas**, "PTSLGA: A Provenance Tracking System for Linked Data Generating Application", International Journal of Information Technology and Computer Science (IJITCS), ISSN: 2074-9007 (Print), ISSN: 2074-9015 (Online), pp. 87-93, March 2015.
- **283.** Sourav Banerjee, MainakAdhikari, SukhenduKar and **UtpalBiswas**, "Development and Analysis of a New Cloudlet Allocation Strategy for QoS Improvement in Cloud", Arabian Journal for Science and Engineering, Springer, ISSN-1319-8025, DOI-10.1007/s13369-015-1626-9.
- **284.** Chaitali Biswas Dutta and **Utpal Biswas**, "A Novel Blackhole Attack for Multipath AODV and its Mitigation", IEEE ICRAIE- 2014, Jaipur, India, May 9th 11th, 2014, pp 1-6, IEEE Xplore, DOI: 10.1109/ICRAIE.2014.6909194, INSPEC Acc. No. 14631344, Print ISBN: 978-1-4799-4041-7.
- **285.** Kumar Sharma, Ujjal Marjit and **Utpal Biswas**, "Linking Library Data: A Linked Data Based Approach", Recently accepted by PLANNER 2014, Capacity Building in Library and Information Services, Dibrugarh University, Assam, ISBN: 978-93-81232-04-0.
- 286. Chaitali Biswas Dutta and Utpal Biswas, "Intrusion Detection System for Power-Aware OLSR", IEEE CINE- 2015, Bhubaneswar, India, January 12th 13th, 2015, pp. 142-147, IEEE Xplore, DOI: 10.1109/CINE.2015.35, INSPEC Acc. No.14968498, Print ISBN: 978-1-4799-7548-8.

- 287. Kumar Sharma, Ujjal Marjit and Utpal Biswas, "Converting Tabular Data to Linked Data: An Ontological Approach", IEEE 2nd International Conference on Knowledge Collaboration in Engineering, IEEE DVD Part No: CFP1598W-DVD, ISBN: 978-1-4799-8618-7, March 27-28, 2015.
- 288. Kumar Sharma, Ujjal Marjit and Utpal Biswas, "A Provenance Tracking Model for RDF Resources", 2015 International Conference on Computing and Communication Systems (I3CS'15), Proceedings Volume-1, pp. 75-81, Published by IGI Global (Dissemination of Knowledge), ISBN: 978-1-4799-5857-01, April 9th 10th, 2015.
- **289.** Priya Ranjan Sinha Mahapatra, Variations of Enclosing Problem Using Axis Parallel Square(s): A General Approach, American Journal of Computational Mathematics, Vol. 4, pp. 197-205, 2014. ISSN (Print) 2161-1203
- 290. Binay K. Bhattacharya, Sandip Das, Tsunehiko Kameda, Priya Ranjan Sinha Mahapatra, Zhao Song: Optimizing Squares Covering a Set of Points, 8th International Conference on Combinatorial Optimization and Applications (COCOA) 2014, Wailea, Maui, HI, USA, LNCS (Springer), ISBN 978-3-319-12690-6, Vol. 8881, pp. 37-52, 2014.
- **291.** Priya Ranjan Sinha Mahapatra, Smallest Square Covering k Points for Large Value of k, INformation systems Design and Intelligent Applications (INDIA-2015), LNCS (Springer) AISC, Vol. 339, pp. 337-342, 2015.
- **292.** Sourav Saha, Jayanta Basak, Priya Ranjan Sinha Mahapatra, A Hierarchical Convex Polygonal Decomposition Framework for Automated Shape Retrieval, INformation systems Design and Intelligent Applications (INDIA-2015), LNCS (Springer) AISC, Vol. 339, pp. 783--792, 2015.
- 293. Soumen Atta, and Priya Ranjan Sinha Mahapatra, Genetic Algorithm Based Approaches to Install Different Types of Facilities, 48th Annual Convention, COMPUTER SOCIETY OF INDIA, LNCS (Springer) AISC, Vol. 248, pp. 195--203, 2014.

DEPARTMENT OF ECOLOGICAL ENGINEERING AND ENVIRONMENTAL MANAGEMENT

- **294.** J.K. Biswas (2015). Biological Fingerprints of Global Warming: Ecological Meltdown and Biodiversity Erosion. In P.K.Sarkar (ed.). Global Climate Change and its Impact on Indian Sub-Continent.
- **295.** Dipankar Ghosh and Jayanta Kumar Biswas (2014). Rotifera diversity indices: Assessment of aquatic health of ox-bow lake ecosystem in West Bengal. International Journal on Current Research 6(12): 10554-10557 (ISSN: 0975-833X).
- **296.** Dipankar Ghosh and Jayanta Kumar Biswas (2015). Zooplankton diversity indices: Assessment of an ox-bow lake ecosystem for sustainable management in West Bengal. International Journal of Advanced Biotechnology and Research 6(1): 37-43 (ISSN: 2278-599X).
- **297.** S. Roy, S. Hazra, J.K. Biswas and S. Kumar (2014) Nutrient removal from waste water by macrophytes an eco-friendly approach to waste water treatment and management. Energy and Environment Research 4(2): 55-63 (ISSN: 1927-0569)
- **298.** Praveen Maurye, Arpita Basu, Jayanta K. Biswas and Anil Prakash Sharma (2015). Multitrack Staining Apparatus with High-Resolution and Time-Lapsed Acquisition for Polyacrylamide Gels. Instrumentation Science and Technology (Accepted for publication).
- **299.** P.Maurye, M.K.Das, A.Basu, J.K.Biswas and A.P.Sharma (2014). Different proteomic approaches to study fish mitochondrial proteins: 2D-BN-PAGE and 2D-PAGE. Journal of Environmental Biology (Under review).

- **301.** J.K. Biswas, S.K. Sarkar, S. Hazra, J. Majumdar, S.K. Mandal, S.Rana and B.B. Jana (2015). Impact of raking and bioturbation-mediated ecological manipulation on sediment-water phosphorus diagenesis: A mesocosm study supported with radioactive signature. Ecological Engineering (Communicated).
- **302.** Roy, S., S. Hazra, J.K. Biswas and S. Kumar (2014) Nutrient removal from waste water by macrophytes an eco-friendly approach to waste water treatment and management. Energy and Environment Research 4(2): 55-63 (ISSN: 1927-0569)
- **303.** Jana, B.B., S. Lahiri, S. Nandy, P. Ghosh, S.K. Bag, S. Rana, J.K. Biswas, J.N. Bhakta and S. Jana (2015). Polyhouse driven raised-temperature induces cichlid tilapias to breed during winter. *Indian Journal of Animal Sciences* 85(2): 205-211 (ISSN: 0367-8318).
- 304. J.K. Biswas. 2014 State-of-the-art of living technologies for wastewater treatment: Ecotech approaches banking on nature's library. Proceedings of the 24th All India Congress of Zoology & National Seminar on Biodiversity & its Management for Food, Livelihood and Environmental Security. University of Kalyani
- **305.** J.K. Biswas. 2014. Biodiversity meltdown by global warming as a weapon of mass destruction: An account of colossal ecological tragedy. Proceedings of the National Conference on Challenges in Biodiversity Conservation and Resource Management. University of Kalyani
- **306.** J.K. Biswas. 2015 State-of-the-art of living technologies for wastewater treatment: Ecotech approaches banking on nature's library. Proceedings of the 24th All India Congress of Zoology & National Seminar on Biodiversity & its Management for Food, Livelihood and Environmental Security. University of Kalyani (In Press)
- **307.** J.K. Biswas (2015). Trading on Traditional Ecological knowledge: From the Sacred Black Box to the Toolbox of Bioprospecting and Biodiversity Conservation. National Seminar on Folklore & Tribal Studies organized by Dept. of Folklore, University of Kalyani during January 14-15, 2015.
- **308.** J.K. Biswas (2015). Looking at ecological reality through the lens of ecological footprint: When human size and weight matter much for planetary sustainability. National Seminar on Biophysical Environment & Human Interaction organized by Paschim Banga Bhugol Mancha at Razabazar Science College, Kolkata during February 21-22, 2015.
- **309.** J.K. Biswas (2014). Fish parasites as models for assessing aquatic environmental quality: Parasitic biomonitoring of ecosystem health. 2nd Asian Congress of Protistology and 9th Asian Conference on Ciliate Biology organized by Dept. of Zoology, University of Kalyani during 27.11.14 to 29.11.14
- **310.** M. Mandal and J.K. Biswas (2014). Study of heavy metal resistance and plant growth promotion activity of wastewater bacteria. International Conference on "Groundwater: Issues and Challenges of the 21st Century" organized by Sripat Singh College, Jiaganj, Murshidabad during December 29-30, 2014.
- **311.** M.Tech.& M.Sc. Dissertations guidedAssessment of pollution status and ecological degradation of River Saraswati, West Bengal (submitted by Sharanya Chattopadhyay)
- **312.** Atmospheric Gaussian Dispersion Modelling for emission of a thermal power plant (submitted by Romel Roy)
- **313.** Pullution assessment of Yamuna river in West Bengal and its site specific management strategies (submitted by Ankita Das)

314.

- **315.** Energy flow in rural ecosystem ((submitted by Abhishek Das)
- **316.** Assessment of different fertilizer doses on physic-chemical regime and planktonic diversity ((submitted by Tulika Das)
- 317. J.K. Biswas (2014).Prakitir Pathsalay (in Bengali). Ebang Etyadi, T.K. Jana, R. D. Banerjee, Susmita Lahiri and B. B. Jana 2014. Management induced changes of antibiotic resistant strains of heterotrophic bacteria in shrimp farming ponds. Indian Journal of Animal Sciences, 84(3): 323-328. Impact factor- 0.13 ISSNNo.- 0367-8318
- 318. Jana, B.B., Lahiri, S., Nandy, S., Ghosh, P., Bag S.K., Biswas, J.K., Bhakta J.N. and S. Jana (2015). Polyhouse driven raised temperature induces cichlid tilapia to breed during winter. Indian Journal of Animal Science 85(2):108-115. Impact factor- 0.13 ISSNNo.- 0367-8318
- **319.** Lahiri, S., Jana, T., Chatterjee, J. and jana B.B. (2014). Assessment of fertilized pond ecosystem productivity using cellulose decomposing bacteria as carbon signature. Asian Fisheries Science 27: 234-247. ISSNNo.- 0116-6514
- 320. Bhakta, J.N., Rana, S., Jana, J., Bag, S.K. Lahiri, S., Jana, B.B., Panning F. and Fechter L. (2014) Current status of arsenic contamination in drinking water and treatment practice in few rural areas of West Bengal, India. *Journal of Water Chemistry and Technology. (In press)*. Impact factor- 0.347 ISSNNo.- 1934-936X
- **321.** Bhakta, J.N., Lahiri, S., Pittman, J.K., and B. B. Jana (2015). Carbon dioxide sequestration in wastewater by a consortium of elevated carbon dioxide-tolerant microalgae. Journal of CO₂ Utilization. (in press). Impact factor- ISSNNo.- 2212-9820
- **322.** Lahiri, S., Jana, T., Chatterjee, J. and jana B.B. (2014). Assessment of fertilized pond ecosystem productivity using cellulose decomposing bacteria as carbon signature. Asian Fisheries Science 27: 234-247
- **323.** Bhakta J.N., Rana, S., Lahiri, S. and Munekage Y. 2014. Sorption of mercury onto waste material derived low-cost activated carbon. *Applied Water Science*. (DOI: 10.1007/s13201-014-0236-0)
- **324.** Bhakta, J.N., Rana, S., Jana, J., Bag, S.K. Lahiri, S., Jana, B.B., Panning F. and Fechter L. (2014) Current status of arsenic contamination in drinking water and treatment practice in few rural areas of West Bengal, India. *Journal of Water Chemistry and Technology. (In press)*
- **325.** T.K. Jana, R. D. Banerjee, Susmita Lahiri and B. B. Jana 2014. Management induced changes of antibiotic resistant strains of heterotrophic bacteria in shrimp farming ponds Indian Journal of Animal Sciences, 84(3): 323-328.
- **326.** Susmita Lahiri and K. Das, 2014 Industrial pollution assessment of Tamla rivulet in industrial town of Durgapur, West Bengal, India : Hazard Analysis through GIS. Abstract published in the Proceedings of National Seminar on Interdisciplinary Approaches in Science, humanities and Culture organized by organized by KURSA, University of Kalyani
- 327. 2. D. Ghosh, S. Lahiri and B.B. Jana 2015. Assessing the growth of cellulose decomposing and heterotrophic bacteria as carbon signature in simulated green house of the wetland system. Abstract accepted for presentation in UGC sponsored State level Seminar on Ecorestoration organized by Belda College, West Midnapore, West Bengal to be held on February 12, 2015
- **328.** Ankita Bhattacharjee, Susmita Lahiri, J.N. Bhakta and B.B. Jana 2015. Potentials of some adsorbents for removal from domestic wastewater. Abstract accepted for presentation in UGC sponsored State level Seminar on Ecorestoration organized by Belda College, West Midnapore, West Bengal to be held on February 12, 2015

DEPARTMENT OF RURAL DEVELOPMENT AND MANAGEMENT

- **329.** Yojana(Bengali), ISSN-0971-8400, A monthly magazine on Development published by the Ministry of I&B, Government of India.Gender Budget etc. April 2014.
- **330.** Aprathagata khetra ebong Bharatiya Arthonitite er Abadan (Bengali/Oct 2014)
- **331.** Sanitation, Unnayan O samajik paribartan(Bengali/January 2015)
- **332.** Bharatiya sasantantre sthaniya sarkar- Panchayatirajer Byapti O Bhumika (Bengali/February 2015
- **333.** Agro-based Industries in India- Its role in Rural Economy and Development- Sir C.R. Reddy Autonomous College (Dept. Of Political Science and Economy UG and PG) Sponsored National Conference on Good Governance and Rural Development in India, Eluru Andhra Pradesh: Perspectives, Challenges and Strategies; September 5-6, 2014(ISBN 978-1-5032-8325-1) [Page 171-194]
- **334.** Strengthening the sustainable Agriculture through organic farming: An avenue towards sustainable Development –Koustab Majumder & Tapati Bhadra (Banerjee), Journal of Agro ecology & Natural Resources Management(JANRM0 ISSN 2394-0794
- **335.** "Socio-Economic Empowerment of Women through a spell of SHG Movement and Microfinance Initiative in North 24 Parganas of West Bengal", UGC Sponsored National Seminar on Women Empowerment and Rural Development: Role of Microfinance, Deptt. of Economics and Political Science, Berhampore Girls College, Murshidabad, ISSN 978-81-927259-1-8 published in 2014.

DEPARTMENT OF VISUAL ARTS

- **336.** The research paper on "Analytical study of Oil Painting" published in the journal 'ART FAMILY 'an International Research Journal of Art & Aesthetics (Issue 4, Vol.III, January to June 2014) (ISSN:2249-0248).
- **337.** Research Paper on **SCIENCE AND ART IN CONSERVATION** (co-author) to be published in Journal-"Conservation of Cultural Property in India" (ISSN) by Indian Association for the Study of Conservation of Cultural Property, New Delhi.
- **338.** Published two paintings(The Face, Acrylic&Charcoal, 11.5"X14" & Reflection, Acrylic & Charcoal, 10.5"X 13") in the book on art titled 'Deep Desire & Floating Feelings, (Art Family-7), Edition: 1, 2015(ISBN: 978-93-82166-32-0).

DEPARTMENT OF BIOCHEMISTRY & BIOPHYSICS

- **339.** <u>Cross-talk between p(38)MAPK and G iα in regulating cPLA₂ activity by ET-1 in pulmonary</u> <u>smooth muscle cells.</u>Chakraborti S, Chowdhury A, Chakraborti T. Mol Cell Biochem. 2015 Feb;400(1-2):107-23 (I.F.: 2.4)
- **340.** Vascular Aneurysms: A Perspective. Chakraborti S., Chowdhury A, Nur Alam Md, Sarkar J, Mandal A, Pramanik, A, Chakraborti T. Indian J Biochem Biophys.2014 Dec; 51, 449-456 (I.F.: 1.1)
- 341. Identification, purification and partial characterization of low molecular weight protein inhibitor of Na⁺/K⁺-ATPase from pulmonary artery smooth muscle cells. Rahaman SM, Dey K, Das P, Roy S, Chakraborti T, Chakraborti S.Mol Cell Biochem. 2014 Aug;393(1-2):309-17 (I.F.: 2.4)
- **342.** Other relevant information : S. Chakraborti is the Guest Editor of the Special issue (December-2014) entitled : *Cellular Signalling* of the Indian J Biochemistry and Biophysics.

- **343.** Swarup Roy, Tapan Kumar Das, Investigation of Interaction Between Casein Enzyme Hydrolysate and Biosynthesized Silver Nanoparticles by Spectroscopy. Nanoscience and Nanotechnology Letter, 6, 547-554, 2014. [IF-1.444]
- 344. Tina Nasrin, Swarup Roy, Tapan Kumar Das, *Aspergillus Foetidus* Mediated Biosynthesis of CdS Nano Particles and Its Characterization'', International Journal of Innovative Research in Science & Engineering, Vol. 2 (9) 633-639 (2014). (IF-0.616)
- 345. Swarup Roy, Tapan Kumar Das, "Effect of Silver Nanoparticles on Vitamin C by Analyzing the Change of Photoluminescence Spectrum of Vitamin C", Advanced Science, Engineering and Medicine, Vol. 6 (10), 1105-1110, (2014) (IF- Still computing).
- 346. Swarup Roy, Ratan Sadhukhan, Utpal Ghosh, Tapan Kumar Das, Interaction Studies between Biosynthesized Silver Nanoparticle with Calf Thymus DNA and Cytotoxicity of Silver Nanoparticles, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. <u>Vol.</u> <u>141</u>, 15, 2015, 176–184. (IF-2.13)
- 347. R Chakraborty, R K Sarkar, A K Chatterjee, U Manju, A P Chattopadhyay, T Basu. A simple, fast and cost-effective method of synthesis of cupric oxide nanoparticle with promising antibacterial potency: Unraveling the biological and chemical modes of action. Biochimica et Biophysica Acta 1850 (2015) 845–856. [IF 3.824].
- 348. M Banik, A Basu and T Basu*. Simple Reduction Based Synthesis Of Copper-Silver Nanoalloy And Its Anticancer Behavior And DNA Binding Property. International symposium on nanotechnology and cancer theranosticsI, 19-21st Feb, 2015.IIT, Powai.
- 349. R.Chakraborty, T.Basu*. Poly vinyl alcohol-stabilized cupric oxide nanoparticle: biological and chemical mechanisms behind antibacterial action. Indo-US Science & Technology Forum -Workshop on nanoengineering in medicine-2014, 17th -19th Dec., AIIMS, New Delhi.
- **350.** M. Patra, T.Basu*. Calcium phosphate- quercetin nanoconjugate- A pH sensor. Indo-US Science & Technology Forum -Workshop on nanoengineering in medicine-2014, AIIMS, 17th -19th Dec., New Delhi.
- **351.** R.Mukherjee, T. Basu*. To develop tetracycline –conjugated calcium phosphate nanoparticles as an alternative to the conventional drug. Indo-US Science & Technology Forum- Workshop on nanoengineering in medicine-2014, AIIMS, 17th -19th Dec., New Delhi.
- **352.** D. Dutta, R. Dasgupta & T.Basu*. Green synthesized cerium oxide nanoparticles protect neural cells and zebra fish embryo from oxidative stress. Indo-US Science & Technology Forum-Workshop on nanoengineering in medicine-2014, AIIMS, 17th -19th Dec., New Delhi.
- **353.** T. Basu. Molecular Mechanism of Artificial Transformation of *E. coli* by Plasmid DNA (Invited Lecture) in 2nd International conference on Frontiers in Biological sciences, NIT Rourkela, 22nd 24th Jan., 2015.
- **354.** Guha D.,Bhowmik S., **Ghosh R.**.* Influence of ultraviolet C bystander effect on inflammatory response in A375 cells subsequent exposure to ultraviolet C and hydrogen peroxide. Ind J Biochem Biophys 51 (2014) 552-558
- **355.** *Karmakar S.*, Manna D., Hansda S. & Ghosh R.; 9-Phenyl Acridine A Novel Poly (ADP-Ribose) Polymerase Inhibitor. In International Symposium on Genetic Analysis: Translational and Developmental (iNSGTD-2014) at Dept. of Zoology, University of Burdwan during Nov 21-23, 2014 [Poster]
- **356.** Ghosh R. & Guha D.; UVC bystander effects are mediated through induction of antioxidant defense. 14th International Congress on Oxidative Stress Reduction, Redox Homeostasis and Antioxidants organized by International Society for Antioxidants (ISANH) at Paris, France during June 12-13, 2014 [Oral Presentation]

- **358.** Manna D. and **Ghosh R.**^{*}Radiofrequency Radiation: is it Genotoxic to Skin cells? In 22nd West Bengal State Science and Technology Congress at University of North Bengal, Darjeeling during Feb 28 Mar 01, 2015
- **359.** Karmakar S., Manna D. and **Ghosh R.**^{*}:Acridines have Poly(ADP-ribose) polymerase inhibitory activity. In 22nd West Bengal State Science and Technology Congress at University of North Bengal, Darjeeling during Feb 28 Mar 01, 2015
- 360. Mitra A. and Ghosh R.* Human Topoisomerase-I Inhibition By Some Synthetic Flavones: A Molecular Docking Study In 22nd West Bengal State Science and Technology Congress at University of North Bengal, Darjeeling during Feb 28 – Mar 01, 2015
- **361.** Chakraborti S, Chowdhury A, Chakraborti T. Cross-talk between p(38)MAPK and G iα in regulating cPLA 2 activity by ET-1 in pulmonary smooth muscle cells. Mol Cell Biochem. 2015 Feb;400(1-2):107-23. doi: 10.1007/s11010-014-2267-0. Epub 2014 Nov 16. IF- 2.38
- 362. Paul J, Naskar K, Chowdhury S, Chakraborti T, De T. TLR mediated GSK3β activation suppresses CREB mediated IL-10 production to induce a protective immune response against murine visceral leishmaniasis. Biochimie. 2014 Dec;107 Pt B:235-46. doi: 10.1016/j.biochi.2014.09.004. Epub 2014 Sep 16. IF 3.34
- 363. Paik D, Das P, De T, Chakraborti T. In vitro anti-leishmanial efficacy of potato tuber extract (PTEx): leishmanial serine protease(s) as putative target. Exp Parasitol. 2014 Nov;146:11-9. doi: 10.1016/j.exppara.2014.08.009. Epub 2014 Aug 14. IF 2.09
- 364. Rahaman SM, Dey K, Das P, Roy S, Chakraborti T, Chakraborti S. Identification, purification and partial characterization of low molecular weight protein inhibitor of Na⁺/K⁺-ATPase from pulmonary artery smooth muscle cells. Mol Cell Biochem. 2014 Aug;393(1-2):309-17. doi: 10.1007/s11010-014-2075-6. Epub 2014 May 22 IF- 2.38
- 365. Das P, De T, Chakraborti T. Leishmania donovani secretory serine protease alters macrophage inflammatory response via COX-2 mediated PGE-2 production, Indian Journal of Biochemistry & Biophysics, December 2014, 51, 542-551; IF -1.077
- 366. Paul J, Naskar Khudiram, Chowdhury S, Alam Md N, Chakraborti T, De T. TLR-mediated activation of MyD88 signaling induces protective immune response and IL-10 down regulation in Leishmania donovani infection. Indian Journal of Biochemistry & Biophysics, December 2014, 51, 531-541, 1.077
- **367.** Saba, N., Bhuyan, R., Nandy, S. K., & **Seal, A.** (2015). Differential interactions of Cytochrome P450 3A5 and 3A4 with chemotherapeutic agent-vincristine: A comparative molecular dynamics study. *Anti-cancer agents in medicinal chemistry*. IF: 2.939
- **368.** .Bhuyan, R., & **Seal, A.** (2014). Conformational Dynamics of Shaker-Type Kv1. 1 Ion Channel in Open, Closed, and Two Mutated States. *The Journal of membrane biology*, 1-15. IF: 2.174
- **369.** Bhuyan, R., Nandy, S. K., & **Seal, A.** (2014). An in silico structural insights into Plasmodium LytB protein and its inhibition. *Journal of Biomolecular Structure and Dynamics*, 1-13. IF: 2.983
- **370.** 23rd IUCr Congress held in Montrel, Canada in August 2014
- **371.** Hypoglycosylation of dystroglycan due to T192M mutation: A molecular insight behind the factSimanti Bhattachrya, Amit Das, Semanti Ghosh, Rakhi Dasgupta and Angshuman Bagchi Gene (I.F: 2.246), Vol. 537, Pg. no. 108-114, 2014; ISSN: 0378-1119
- **372.** Analyses of the presence of mutations in Dystrophin protein to predict their relative influences in the onset of Duchenne Muscular Dystrophy Simanti Bhattachrya, Amit Das, Rakhi

Dasgupta and Angshuman Bagchi Cellular Signaling (I.F: 4.471), Vol. 26, Pg. no. 2857-2864, 2014; ISSN: 0898-6568

- 373. In silico characterization of formin binding protein 4 family of proteins Amit Das, Simanti Bhattachrya, Angshuman Bagchi and Rakhi Dasgupta Interdisciplinary Sciences: Computational Life Sciences (in press); 2014; ISSN: 1913-2751 (print version); ISSN: 1867-1462 (electronic version)
- 374. A Review on Phylogenetic Analysis: A Journey through Modern Era Sourav Singha Roy, Rakhi Dasgupta and Angshuman Bagchi, Computational Molecular Biosciences, Vol.4, No.3, 2014; ISSN 1927-5587
- **375.** National Seminar on Interdisciplinary Approaches in Science, Humanities and Culture, May 28-29, 2014, organized by Kalyani University Research Scholars 'Association (KURSA)
- **376.** International symposium of Nanotechnology and Cancer theranautics, Feb 19th 21st, 2015 organised by IIT, Bombay
- **377.** Structural characterization of Fis a transcriptional regulator from pathogenic Pasteurella multocida essential for expression of virulence factors Angshuman Bagchi Gene (I.F: 2.246), Vol. 554, Pg. no. 249-253, 2014; ISSN: 0378-1119
- 378. Structural Characterizations of Metal Ion Binding Transcriptional Regulator CueR from Opportunistic Pathogen Pseudomonas aeruginosa to Identify Its Possible Involvements in Virulence Angshuman Bagchi Applied Biochemistry and Biotechnology (I.F: 1.687), Vol. 175, Pg. no. 649-656, 2015; ISSN: 0273-2289 (print version) ISSN: 1559-0291 (electronic version)
- **379.** Characterizations and structural analyses of the interactions between the essential human protein6 and Rab GTPase protein from Plasmodium falciparum Angshuman Bagchi Journal of Applied Bioinformatics & Computational Biology (In press), 2014; **ISSN:** 2329-9533
- 380. Characterization of the Leucine-Responsive Transcription Factor from Pathogenic Vibrio cholerae Using Molecular Modelling and Molecular Dynamics Simulations Angshuman Bagchi Current Synthetic and Systems Biology (OMICS Publishing Group) doi: 10.4172/2332-0737.2-110; 2014; ISSN: 2332-0737
- 381. Hypoglycosylation of dystroglycan due to T192M mutation: A molecular insight behind the factSimanti Bhattachrya, Amit Das, Semanti Ghosh, Rakhi Dasgupta and Angshuman Bagchi (Corresponding author)Gene (I.F: 2.246), Vol. 537, Pg. no. 108-114, 2014; ISSN: 0378-1119
- **382.** Analyses of the presence of mutations in Dystrophin protein to predict their relative influences in the onset of Duchenne Muscular Dystrophy Simanti Bhattachrya, Amit Das, Rakhi Dasgupta and Angshuman Bagchi (Corresponding author) Cellular Signaling (I.F: 4.471), Vol. 26, Pg. no. 2857-2864, 2014; ISSN: 0898-6568
- 383. In silico characterization of formin binding protein 4 family of proteins Amit Das, Simanti Bhattachrya, Angshuman Bagchi (Corresponding author) and Rakhi Dasgupta Interdisciplinary Sciences: Computational Life Sciences (in press); 2014; ISSN: 1913-2751 (print version); ISSN: 1867-1462 (electronic version)
- 384. A Review on Phylogenetic Analysis: A Journey through Modern Era Sourav Singha Roy, Rakhi Dasgupta and Angshuman Bagchi (Corresponding author) Computational Molecular Biosciences, Vol.4, No.3, 2014; ISSN 1927-5587
- **385.** Sequence based protein structure prediction software tools (Review Article)Angshuman BagchiResearch- an Open Access Journal (ISSN:2334-1009) by Labome.org, 2014
- **386.** National Seminar on Interdisciplinary Approaches in Science, Humanities and Culture, May 28-29, 2014, organized by Kalyani University Research Scholars 'Association (KURSA)
- **387. INVITED LECTURE** "Insight into Duchenne Muscular Dystrophy from the analyses of the Dystrophin protein and the mutations therein" in "International Conference on Informatics &

Integrative Biology", during December 17-19, 2014, at Bioinformatics Centre, Bose Institute, Kolkata, India

DEPARTMENT OF BOTANY

- 388. Mandal, A., and Datta, A. K. (2014). Stability analysis of a high fibre yield and low lignin content "thick stem" mutant in tossa jute (*Corchorius olitorius* L.). BioMed Research International. Volume 2014 (2014), Article ID 539869, 9 pages <u>http://dx.doi.org/10.1155/2014/539869</u>. [Hindawi Publication Corporation; ISSN: 2314-6133 (Print) ISSN: 2314-6141 (Online); IF: 2.706]
- **389.** Mandal, A., and Datta, A. K. (2014). New Plant Type Mutants in Jute (*Corchorus olitorius* L.). Indian J Sci Tech. 3(5):1-11. [ISSN: 0974-6846 (print), ISSN: 0974-5645 (online)]
- **390.** Samanta A, Datta S, Maity TR, Mandal A and Datta AK (2014) Assessment of methotrexate on dihydrofolate reductase activity, total RNA content and cell division of *Lathyrus sativus* L. Nucleus 57(2): 129-134 DOI: 10.1007/s13237-014-0115-y [Springer; ISSN: 0029-568X (Print) 0976-7975 (Electronic)]
- 391. Dubey PK, Mandal A, Datta AK and Datta S (2014) Cytomorphological and Molecular Analyses of F₁ Hybrid of *Abelmoschus moschatus* (L.) Medik. Cytologia 79(3): 341-350. doi: 10.1508/cytologia.79.341 [ISSN: 1348-7019 (online), 0011-4545 (print); IF: 0.306]
- 392. Das, S.K., Mandal, A., Datta, A.K., Das, D., Paul, R., Saha, A., Sengupta, S. Gupta, S., and Halder, S. (2015). Identification and Value of Wild Edible Mushrooms from Tropical Dry Deciduous Forest of Eastern Chota Nagpur Plateau, West Bengal, India. Proceedings of the National Academy of Sciences, India Section B: Biological Sciences 85(1): 219-232. DOI: 10.1007/s40011-014-0330-y [Springer; ISSN: 0369-8211 (Print), 2250-1746 (Electronic); IF: 0.396]
- **393.** Halder S, Mandal A, Das D, Gupta S, Chattopadhyay AP, and Datta AK (2015) Copper nanoparticle induced macromutation in *Macrotyloma uniflorum* (Lam.) Verdc. (Family: Leguminosae) A pioneer report. Genetic Resources and Crop Evolution DOI: 10.1007/s10722-015-0216-8. [Springer; ISSN: 0925-9864 (Print), 1573-5109 (Electronic); IF: 1.482]
- **394.** National Conference on Nanoscience and Nanotechnology held at Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta, Kolkata during September 18-19, 2014
- **395.** Thesis Title: Induced Chemical Mutagenesis (Ethyl methane sulphonate and Hydroxylamine) In *Abelmoschus moschatus* (L.) Medic (Family: Malvaceae) [Dr. Priyanka Kumari Dubey; Awarded: 04.06.2014]
- **396.** Das N, Chatterjee P (2014) Evaluation of brine shrimp cytotoxicity of 50% aqueous ethanolic leaf extract of *Clitoria ternatea* L. Asian J Pharm Clin Res 7(1): 118-120
- **397.** Das N, Chatterjee P (2014) Evaluation of antimicrobial potentiality of 50% aqueous ethanolic leaf extract of *Clitoria ternatea* L. Asian J Pharm Clin Res 7 (S 1): 80-82
- **398.** Dutta T, Chatterjee P (2014) Identification of antifungal effect in the leaf extract of *Cassia fistula* L. by agar cup method and isolation of 7- hydroxy flavone by UV spectral analysis. Int j pharm biol sci arch 4(6): 1213-1221
- **399.** Das N, Chatterjee P (2014) Antifungal effect of *Clitoria ternatea* L. leaf extract on seeds of *Pisum sativum* L. in relation to the activities of some enzymes. IJRAP 5(1): 99-101
- **400.** Das N, Ghosh A, Chatterjee P (2014) Antifungal Effect of *Clitoria ternatea* L. Leaf extract on Seeds of *Pisum sativum* L. in relation to some Biochemical Parameters. IJRAP 5(4) 536-539.

- **401.** Ghosh A, Ghosh P, Chatterjee P (2014) Evaluation of Antibacterial Potentiality of a Cyclopenta Naphthalene Tetraol Terpenoid Isolated from *Curcuma caesia* Roxb. Research and Reviews: Journal of Botanical Sciences 3 (1): 27-34
- **402.** Bhattacharya U, Ghosh A, Chatterjee P (2014) Study of Antifungal Property in the Crude Leaf Extract of *Ixora coccinea* against *Botrytis cinerea*. Int j pharm biol sci arch 5(1): 90-93
- **403.** Das N, Chatterjee P (2014) Evaluation of antimicrobial potentiality of 50% aqueous ethanolic leaf extract of *Acacia nilotica* willd. Asian J Pharm Clin Res 7 (1):95-98
- **404.** Bhattacharya U, Ghosh A, Chatterjee P (2015) A competitive and antihazardous formulation of crop protection in the era of synthetic fungicides. Int j pharm biol sci arch; in press
- **405.** Studies on bioactive potentialities of some phytochemicals isolated from *Curcuma longa* L. and *Curcuma caesia* Roxb. with special reference to their genetically true to type propagation through in vitro culture technique. Work done by Arghya Ghosh.
- **406.** Formulation of Antifungal Crop Protectant from *Clitoria ternatea* L. studied in relation to some Physiological and Metabolic Parameters of *Pisum sativum* L. work done by Neela Das
- **407.** D.Das, P.Pal and S.Chaudhuri 2014 Interaction of chitin-degrading soil actinomycetes with mycorrhizal colonization of chilli roots. Mycorrhiza News, 26(2): 2-4.
- **408.** Genetic variability in plant pathogenic *Alternaria* and predicted secondary structure. India Bio Diversity Meet 2014, Nov 21-23, 2014, ISI Kolkata
- **409.** Variability in *Alternaia* sp. isolated from different host plants in Nadia District. Tapoti Das, Sujata Chaudhuri, Srikanta Das. National Seminar on Cryptogams: Learning to Know, Dec. 18 -19, 2014, Dept. of Botany, Kalyani University.
- **410.** Effect of *Alternaria* sp. culture filtrate on seed germination and seedling vigour of radish (*Raphanus sativus*). Anindita Nan & S. Chaudhuri. National Seminar on Cryptogams: Learning to Know, Dec. 18 -19, 2014, Dept. of Botany, Kalyani University.
- **411.** Antitumour active polysaccharides from wild macrofungi. Hemanta Kumar Datta & S. Chaudhuri. National Seminar on Cryptogams: Learning to Know, Dec. 18 -19, 2014, Dept. of Botany, Kalyani University.
- **412.** Comparative diversity of macrofungal flora in the litter bed of three forests in Nadia District, West Bengal. Satadru Pramanik & S. Chaudhuri. National Seminar on Cryptogams: Learning to Know, Dec. 18 -19, 2014, Dept. of Botany, Kalyani University.
- **413.** Study of mycelia structure of *Rhizoctonia* sp. infecting rice sheath. A. Mondal, S.Dutta, S. Nandi & S.Chaudhuri. National Seminar on Cryptogams: Learning to Know, Dec. 18 -19, 2014, Dept. of Botany, Kalyani University
- **414.** Antimicrobial and antioxidant activity of Leonotis nepetifolia (Linn.) R. Br A concise review in the book "Natural products: Research reviews vol 3". Daya Publishing House. New Delhi. (Accepted)
- **415.** Sinha SN, Paul D (2014) Heavy metal tolerance and accumulation by bacterial strains isolated from waste water. J Chemical Biol Physic Sci 4(1):812-817.
- **416.** Biswas K, Sinha SN (2014) Evaluation of antibacterial activity of *Conyza canadensis* (L.) Cronquist collected from Nainital, Uttarakhand, India. Int J Universal Pharm Biosci 3(1):46-53.
- **417.** Halder N, Sinha SN (2014) *Compsopogon coeralus* (Balbis) Montagne, fresh water Rhodophycean taxa from Hooghly District, West Bengal, India. J Adv Scientific Res 5(1):32-33.
- **418.** Sinha SN, Paul D (2014) Eco-friendly green synthesis and spectrophotometric characterization of silver nanoparticles synthesized using some common Indian spices. Int J Green and Herbal Chem 3(2):401-408.

- **419.** Sinha SN, Paul D (2014) Impact of jute mill waste water on seed germination and vigour index of *Cicer arietinum* L. and *Pisum sativum* L. Journal of Biological and Scientific Opinion 2(1):66-69.
- **420.** Sinha SN, Paul D (2014) Biodegradation potential of some bacterial strains isolated from sewage water. Int J Environl Biol 4(2):107-111.
- **421.** Sinha SN (2014) Phytochemical analysis and antibacterial activity of *Clematis gouriana* Roxb. Int J Pharmaceutical and Drug Analysis 2(5):399-401.
- **422.** Sinha SN, Paul D (2014) Antioxidant potentials of *Parthenium hysterophorus* 1 leaf extracts. Scientific Res J Ind 3(2):80-86.
- **423.** Halder N, Sinha SN (2014) Phytoconstituent analysis and antibacterial activity of *Nitella flagelliformis* A. Braun collected from a pond of Khamargachi of Hooghly district, West Bengal. Int J Pharmaceutical Biological Archive 5(1):66-69.
- **424.** Sinha SN (2014) Isolation and characterization of poly-β-hydroxyalkanoates producing bacteria from sewage. Int J Res Appl Sci Biotechnol 1(1):19-21.
- **425.** Paul D, Sinha SN Biological removal of phosphate using phosphate solubilizing bacterial consortium from synthetic wastewater: a laboratory scale. EnvironmentAsia. In Press.
- **426.** Paul D, Sinha SN (2014). Extracellular synthesis of silver nanoparticles using *Pseudomonas aeruginosa* KUPSB12 and its antibacterial activity. Jordan J Biol Sci. 7(4): 245-250.
- **427.** Sinha SN Diurnal pattern in water quality parameters near a sewage disposal point of Dwarkeswar river near Bankura. Nature and Environment. In Press.
- **428.** Sinha SN, Paul D, Halder N, Sengupta D, Patra SK. Green synthesis of silver nanoparticles using fresh water green alga *Pithophora oedogonia* (Mont.) Wittrock and evaluation of their antibacterial activity, Applied Nanoscience. DOI 10.1007/s13204-014-0366-6
- **429.** Sinha SN, Paul D. Phytosynthesis of silver nanoparticles using *Andrographis paniculata* leaf extract and evaluation of their antibacterial activities. Spectroscopy Letters. DOI 10.1080/00387010.2014.938756
- **430.** Halder N, Sinha SN (2014). New records of *Euglena acus* (O.F. Müll.) Ehr. and *Phacus acuminatus* (A. Stokes) Huber-Pestalozzi of Euglenineae from Hooghly District, West Bengal. Journal of Academia and Industrial Research. 3(7): 333-336.
- **431.** Sinha SN, Biswas K (2014). Bioremediation of lead from river water through lead-resistant purple-nonsulfur bacteria. Global Journal of Microbiology and Biotechnology. 2(1): 11-18.
- **432.** Sinha SN. Bactericidal activities of flower of *Mirabilis jalapa* L. International Journal of Emerging Trends in Pharmaceutical Sciences. In Press.
- **433.** Presented a paper entitled "Effect of climate change on water resource in indo Gangetic region of India" in National Seminar On Impact Of Climate Change Successes And Challenges In Ocean And Atmospheric Research National Symposium organized by Department of Meteorology & Oceanography, Andhra University, 9-11th October, 2014
- **434.** Presented a paper entitled "*Algae: medicine and food of the future*" in the National seminar on "Cryptogamic Botany" organized by the Department of Botany, University of Kalyani. 18-19th Dec, 2014.
- **435.** Presented a paper entitled '*Water quality analysis of river Ganga in West Bengal with an assessment of water quality index*" International Conference on Environment and Development, organized by Department of Geography and Environmental studies, University of Rajshahi, Rajshahi-6205, Bangladesh. 7-8th March, 2014.
- **436.** Presented a paper entitled "Diversity of blue-green algae and diatoms in the riverine ecosystem" in "2nd Asian Congress of Protistology and 9th Asian Conference on Ciliate Biology" in the Department of Zoology, University of Kalyani. 27-29 Nov, 2014.

- **437.** Presented a paper entitled Antibacterial potential of Streptomyces strain isolated from soil" in "21th West Bengal Science & Technology Congress 2014" organized by The University of Burdwan and West Bengal Science & Technology Council and Department, Government of West Bengal. 28th February-1st March, 2014.
- **438.** A thesis entitled "Ecological study on algal flora in some aquatic bodies of Hooghly district of West Bengal with special emphasis on their antibacterial activity" submitted by Nilu Halder, one of my Research scholar
- **439.** Halder S., Mandal A., Das D., Gupta S., Chattopadhyay A. P., and Datta A. K. (2014). (December). Copper nanoparticle induced macromutation in Macrotyloma uniflorum (Lam.) Verdc. (Leguminosae): a pioneer report. Genet Resour Crop Evol. 61(8). Springer Publication. DOI 10.1007/s10722-015-0216-8.
- 440. Das Sudip Kumar, Mandal Aninda, Datta Animesh K., Das Debadrito, Paul Rita, Saha Aditi, Sengupta Sonali, Gupta Sudha, and Halder Sandip (January March 2015). Identification of Wild Edible Mushrooms from Tropical Dry Deciduous Forest of Eastern Chota Nagpur Plateau, West Bengal, India. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. (2015) 85 (1):219-232 DOI 10.1007/s40011-014-0330-y, ISSN 0369-8211
- 441. Bera Subir, Gupta Sudha, Khan Mahasin Ali, De Aniruddha and Mukhopadhyay Radhanath (August 2014). First megafossil evidence of cyatheaceous tree fern from the Indian Cenozoic. Journal of Earth System Science 123(6): 1433–1438. 0253-4126 (print version); 0973-774X (electronic version) Gupta Sudha, Hore Madhuparna, and Biswas Subikash (July-September 2014). An overview of Fern Spore Bank Study: Need for Suitable Exploitation in India. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. 84(3): 779-798. DOI 10.1007/s40011-013-0245-z, ISSN 0369-8211
- **442.** Gupta Sudha (2014). Neogene Palynology. Resource Person in the Workshop IV on "Handson Training on Palaeobotanical and Palynological Techniques" as part of Centenary Celebration of Botany Department, University of Calcutta during 21 to 28 April 2014, organised by Department of Botany, University of Calcutta pp. 33.
- **443.** Biswas Subikash, Das Debadrito, Mandal Aninda, Gupta Sudha (2014). Analyses of reproductive parameters for taxonomic Identification of *Diplazium* Swartz spp. in Abstract Volume of National Seminar on 'Cryptogamic Botany-Amazing Cryptogams: Learning to Know' organised by Department of Botany, University of Kalyani and Probir Chatterjee Research Foundation, Kolkata pp. 34
- 444. Hore Madhuparna, Mandal Aninda, Biswas Subikash, Gupta Sudha (2014). Live Fern Spore Bank (LFSB) profile in the soil of a semi-natural forest in Mankundu area of Hooghly District, West Bengal in Abstract Volume of National Seminar on 'Cryptogamic Botany-Amazing Cryptogams: Learning to Know' organised by Department of Botany, University of Kalyani and Probir Chatterjee Research Foundation, Kolkata pp. 26
- **445.** Mandal Aninda, Das Debadrito, Biswas Subikash, and Gupta Sudha (2014). Differential production of phytolith in *Acrostichum aureum* L. growing in varying habitats in Abstract Volume of National Seminar on 'Cryptogamic Botany-Amazing Cryptogams: Learning to Know' organised by Department of Botany, University of Kalyani and Probir Chatterjee Research Foundation, Kolkata pp. 22
- **446.** Biswas Mithun, Biswas Jayita and Gupta Sudha (2014). Report of *Equisetum ramosissimum* Desf. (Equisetaceae) from wetland in Gangetic Plain of West Bengal, India in Abstract Volume of National Seminar on 'Cryptogamic Botany-Amazing Cryptogams: Learning to Know' organised by Department of Botany, University of Kalyani and Probir Chatterjee Research Foundation, Kolkata pp. 29
- 447. Dey Suvendu, Mondal Amrik and Gupta Sudha (2014). Bioprospecting of *Azolla*: An Overview in Abstract Volume of National Seminar on 'Cryptogamic Botany-Amazing

Cryptogams: Learning to Know' organised by Department of Botany, University of Kalyani and Probir Chatterjee Research Foundation, Kolkata pp. 39

- **448.** Mandal Amrik and Gupta Sudha (2014). Eco-restoration by ferns in India: A promising field to explore in Abstract Volume of National Seminar on 'Cryptogamic Botany-Amazing Cryptogams: Learning to Know' organised by Department of Botany, University of Kalyani and Probir Chatterjee Research Foundation, Kolkata pp. 35
- **449.** Halder S., Mandal, A. Das D., Gupta S., Chattopadhyay A. P., Datta A. K., Biswas S. (2014). Copper Nanoparticle induced Macromutation in *Macrotyloma uniflorum* (Lam.) Verdc. (Family: Leguminosae) – A Pioneer Report in Abstract Volume of National conference on Nanoscience and Nanotechnology organized by Centre for Research in Nanoscience and Nanotechnology (CRNN), University of Calcutta, Kolkata pp. 44
- **450.** Banerjee Manju, Sen P. K., Gupta Sudha (2014). Holocene peat deposits in tracing climate and coastline changes in South Bengal Basin, India. 66th Annual Meeting and Symposium of the International Committee for Coal and Organic Petrology. Organized by CSIR-Central Institute of Mining & Fuel Research and Ministry of Science and Technology, Government of India held during 20-27 September 2014
- **451.** Sen Sarkar, Neera & Sanoyaz Sekh (2014). Algal resources in the Indian coastal and marine systems with special reference to Sundarbans. *Research & Reviews: Journal of Botany*; vol. 3(2): 11-19. ISSN: 2278-2222.
- **452.** Sangeeta Dhar, Debal Ray & Neera Sen Sarkar (2014). Trend analysis of research on arsenic pollution in West Bengal, India. *Journal of Energy, Environment & Carbon Credits*; vol. 4(3):25-42. ISSN: 2249-8621. SJIF: 3.195
- **453.** Banik Jimi & Neera Sen Sarkar (2014). Traditional rice varieties of major rice ecosystems of West Bengal: Valuation vis a vis Conservation. Full Paper submitted to Organising Committee of 'National Seminar on Folklore & Tribal Studies in Eastern and North-East India' for publication.
- **454.** Sekh, Sanoyaz & Neera Sen Sarkar (2014). Growth characteristics of *Nitzschia* sp. isolated from estuaries of Indian Sundarbans. In: National Seminar on Cryptogamic Botany Abstract Volume, held in University of Kalyani, West Bengal during 18th & 19th December, 2014. pg. 22.
- **455.** Biswas, Biswajit, Manjushree Mandal & Neera Sen Sarkar (2014). Diatoms in sub-surface sediment cores from mangrove forest floors of deltaic Islands in Sundarbans, India. In: National Seminar on Cryptogamic Botany Abstract Volume, held in University of Kalyani, West Bengal during 18th & 19th December, 2014. pg. 24.
- **456.** Banik, Jimi & Neera Sen Sarkar (2014). Indicators of economic valuation of mosses A step towards conservation. In: National Seminar on Cryptogamic Botany Abstract Volume, held in University of Kalyani, West Bengal during 18th & 19th December, 2014. pg. 25.
- **457.** Mandal, Manjushree, Biswajit Biswas & Neera Sen Sarkar (2014). A comparative study of affinities in diatom assemblages of two different soil cores in Sundarbans, India. In: National Seminar on Cryptogamic Botany Abstract Volume, held in University of Kalyani, West Bengal during 18th & 19th December, 2014. pg. 28.
- 458. Banik, Jimi & Neera Sen Sarkar (2015). Traditional rice varieties of major rice ecosystems of West Bengal: Valuation vis-a-vis Conservation. In: UGC sponsored National Level Seminar on Folklore & Tribal Studies in Eastern & North-East India Abstract Volume, held in University of Kalyani, West Bengal during 15th & 16th January, 2015.
- **459.** Mandal, Manjushree & Neera Sen Sarkar (2015). Diatom flora of hot springs at Bakreshwar, West Bengal. Abstract submitted to the 22nd West Bengal Science Congress, to be held in North Bengal University, West Bengal during 28th February 1st March, 2015.

- **460.** Plants response to water in excess: An overview of its molecular Mechanism (2015) M.K. Adak, S. Banerjee. In Advances in Plant Physiology, Vol 15, 356-373
- **461.** Kingshuk Das, C.Mandal, N Ghosh, N Dey and M.K.Adak (2014) Responses of Marsilea minuta L. to Cadmium stress and assessment of some oxidative biomarkers. American journal of Plant Sciences, Vol 5, 1467-1476.
- **462.** Mandal C, Ghosh N, Dey N, Adak MK (2014) Effects of putrescine on oxidative stress induced by hydrogen peroxide in *Salvinia natans* L. J Plant Interactions 9(1): 550–558
- **463.** Kingsuk Das, C Mandal, N. Ghosh, S. Banerjee, N Dey and M.K.Adak (2014) Effects of exogenous spermidine on cell wall composition and carbohydrate metabolism of *Marsilea* plants under cadmium stress. Journal of Plant Physiology and pathology, Vol 2, issue 3.
- **464.** Siddhartha Bannerjee, Narottam Dey and Malay Kumar Adak (2015). Assessment of some biomarkers under submergence stress in some rice cultivars varying in responses. American journal of Plant Sciences, Vol 6, (1), 84-94.
- **465.** M.K. Adak, S. Banerjee N. Ghosh, C. Mandal and N. Dey (2015). Plants response to water in excess: An overview of its molecular mechanism. Advances in Plant Physiology, Volume 15, pp. 356-373
- **466.** Changes in physiological responses of *Hygrophila schulli* (Buch- Ham. M.R. and S.N.Almeida) under cadmium toxicity (2015).C. Mandal, N Ghosh, M.K.Adak, Agricultural Research (Springer), (DOI 10.1007/s40003-015-0155-9, accepted)
- **467.** Proc. National conference on challenges in bio diversity and resource management (Full length paper)
- **468.** Proc. The National seminar on Recent Advances in Rice genomics and biotechnology (Full length paper)
- **469.** A study of allelochemical in rice germplasam for oxidative strees, M.K.Adak, N.Ghosh, C. Mandal . In : Recent adavances in Genetics and biotechnology, Department of biotechnology Visva Bharati, (2014)
- **470.** Diversity in physiological responses in plants for carbon sequestration. (2014) M.K.Adak, N.Ghosh, C.Mandal and S. Banerjee. In National Conference on Changes n Bio diversity and resource management
- **471.** Putrescine: An effective allelochemical in alleviation of Aluminum toxicity in *Salvinia natans* L, M.K.Adak & C.Mandal.In : National symposium in Indian Society of Plant Physiology.
- **472.** Effects of polyamine on physiological responses of rice(*Oryza sativa* L.) plants subjected to salinity stress
- **473.** Physiological basis of hyper accu, umulation of Aluminum and induction of antioxidative activities by polyamine in an aquatic fern (*Salvinia natans* L)
- 474. Awarded INSA- European Post Doc fellowship for research work in abroad
- 475. Petiolar anatomy and venation patterns of Indian members of Rubiaceae.- (2014). Dolly Saha, GaurgapalMaiti and Sobban Kr. Mikheqee (ISBN: 978-3-659-57450-4) LAP LAMBERT Academic Publishing, Saarbrücken, Germany. Pp : 1 280.
- **476.** Comparative study of two species of Phyllanthus (Euphorbiaceaes.l.). (2014).Partha Lodh and Sobban Kr. Mikheqee (ISBN: 978-3-659-64253-1) LAP LAMBERT Academic Publishing, Saarbrücken, Germany. Pp : 1 77.
- 477. Mitra, Sunit and Mukherjee, S. K. 2014. Some plants used as antidote to snake bite in West Bengal ,India. In: Panda, S. & Ghosh, C. (eds.) Diversity and Conservation of Plants and Traditional Knowledge.ISBN No. 9788121108959, M/s Bishen Singh Mahendra Pal Singh,Dehra Dun.pp. 487-506.

- 478. Jana, B. K. and Mukherjee, S. K. 2014.Diversity of Cypselar Features and Their Taxonomic Significance in Three Species of the Genus *Centaurea*, tribe Cardueae of Asteraceae. In: Panda, S. & Ghosh, C. (eds.) Diversity and Conservation of Plants and Traditional Knowledge. ISBN No. 9788121108959, M/s Bishen Singh Mahendra Pal Singh, Dehra Dun.pp. 233-240.
- **479.** Jana, B. K. and Mukherjee, S. K. 2013.(2014). Distributional analysis of epappose genera of Asteraceae of the world with special reference to India. ISSN:0972 4206. *Phytotaxonomy*. 13 : 23 39.
- **480.** Bandyopadhyay, S., Mitra, S. and Mukherjee, S. K. 2014. Traditional uses of some weeds of Asteraceae by the ethnic communities of Koch Bihar district, West Bengal.*International Journal of Pharmacology Research*, ISSN 2249 7641. .4 (1): 31-34.
- 481. Jana, B. K. and Mukherjee, S. K. 2014.Taxonomic value of basal meristematic zone of cypselas in some species of the tribe Lactuceae (Compositae). *International Journal of Scientific Research*, (www.theglobaljournals.com), Print ISSN NO.2277 8179, Impact Factor of IJSR 0.3317., 3 (2): 40-42.
- **482.** Jana, B. K. and Mukherjee, S. K. 2014. Diacritical features of cypselas in two taxa of the tribe Arctotideae (Compositae). *Indian J. Applied & Pure Bio*.http://biology-journal.com/journal , *An Internationl Journal of Biological Sciences*,ISSN NO: 0970-2091, 29(1): 41-48.
- **483.** Jana, B. K. and Mukherjee, S. K. 2014. Cypselar structure of some species of the tribe Lactuceae (Compositae). ISSN. 0971 9016. *J. Interacad.* 18 (1) : 1 7.
- **484.** Bandyopadhyay, S. and Mukherjee, S. K. 2014. A contribution to the fern flora of Howrah district in West Bengal. India. *International Journal of Pharmacological Screening Methods*, (www.ijpsmjournal.com), ISSN 2249 7749.4 (1): 1-3.
- **485.** Jana, B. K. and Mukherjee, S. K. 2014. Calcium oxalate crystals as an important character of pericarp in Compositae A short communication. ISSN. 0974-6382, NASS RATING: 2.3,http://www.jpds.co.in , Journal of Plant Development Sciences. 6(2): 313 314.
- **486.** Jana, B. K. and Mukherjee, S. K. 2014. Pappusstructure in the family Compositae A short communication. ISSN No. 2277 8179. Impact Factor 1.8651. www.theglobaljournals.com, *International journal of Scientific Research*. 3(5): 29 30.
- **487.** Jana, B. K. and Mukherjee, S. K. 2013.(2014) Variations of cypselar characters of some species of the tribe Cardueae (Asteraceae). *J. Econ. Tax. Bot.*37 (3): 513 517. ISSN NO: 2050 9768.
- **488.** Jana, B. K. and Mukherjee, S. K. 2014. Taxonomic Value of Basal Meristematic Zone of Cypselas in Some Species of the Tribe- Lactuceae (Compositae). *Ijsr International Journal of Scientific Research*.Impact Factor 0.3317, ISSN No 2277 8179. 3(2): 39-41.
- **489.** Jana, B. K. and Mukherjee, S. K. 2013.(2014). Pappus structure of some species of Compositae. *J. Econ. Tax. Bot.*37 (3): 480 493. ISSN NO: 2050 9768.
- **490.** Jana, B. K. and Mukherjee, S. K. 2014.Notes on the distribution of phytomelanin layer in higher plants –a short communication, www.jpbjournal.com, Impact Factor = 3.99, *Journal of Pharmaceutical Biology*, ISSN NO: 2249 7579,4(3) : 131 132.

- **491.** Jana, B. K. and Mukherjee, S. K. 2014.Inter-tribal variations of fruit structure among fourtribes of the family Compositae. *Indian J. Applied & Pure Bio.* http://biology-journal.com/journal, *An Internationl Journal of Biological Sciences*, ISSN NO: 0970-2091, 29(2): 291-301.
- **492.** Jana, B. K. and Mukherjee, S. K. 2013 (2014) .Cypselar anatomy of some taxa of Compositae. ISSN : 2319 1716. www.ijcpr.net/*International Journal of Chemical and Pharmaceutical Research*. 2(12) : 233 240.
- **493.** Jana, B. K., Aurju, Ruksona and Mukherjee, S. K. 2014. Diversity of cypselar features of five species of the tribe Heliantheae (Asteraceae). *Indian J. Applied & Pure Bio*.http://biology-journal.com/journal, *An International Journal of Biological Sciences*, ISSN NO: 0970-2091, Impact Factor = ??????. 29(2): 199 205.
- 494. Das, Sushanta, Roy, Sudipta, Jana, B. K. and Mukherjee, S. K. 2014. Diversity of cypselar features in some taxa of the tribe Anthemideae (Asteraceae).*International Journal of Pharmaceutical Research and Bio-Science*. www.ijprbs.com ,*IJPRBS*, ISSN NO.2277-8713 , (IMPACT FACTOR : 1.862),3(1) : 410 424.
- 495. Talukdar, Tulika and Mukherjee, S. K. 2014. Cypselar diversity in four species of Senecio L. (Asteraceae).ISSN:1028–2092 ,(IMPACT FACTOR:0.367), www.banglajol.info/index.php/BJPT, Bangladesh J. Plant Taxon. 21(1): 13 17.
- 496. Jana, B. K. and Mukherjee, S. K. 2014. Diversity of testal structure among some tribes of Compositae. ISSN : 2277- 3290, www.journalofscience.net, *Journal of Science*, *Botany*, 4 (5): 327 338.
- **497.** Jana, B. K. and Mukherjee, S. K. 2014. Comparative cypselar features of two species of *Tagetes* (Tageteae-Asteraceae) and their taxonomic significance. *Journal of Plant Development Sciences*, 6(3): 379-383.
- 498. BISWAS, S., JANA, B. K, BAR, R. and Mukherjee, S. K. 2014. 1914. Micromorphology and anatomy of cypselas in some species of Asteraceae by LM and SEM. *International Journal of Pharmaceutical Research and Bio-Science*. www.ijprbs.com, ISSN NO.2277-8713, (IMPACT FACTOR : 1.862), 3(4): 143-159.
- **499.** Shaikh, O. and Mukherjee, S. K. 2014. Study of petal venation in *Ranunculusdiffusus* DC. Of the family Ranunculaceae. *International Journal of Pharmaceutical Research and Bio-Science*. www.ijprbs.com, ISSN NO.2277-8713, (IMPACT FACTOR : 1.862), 3(4): 134-142.
- **500.** Chakraborty, M., Jana, B.K., Bar, R. and Mukherjee, S. K. 2014. Taxonomical significance of cypselarmorpho-anatomical variations in some species of the tribe Lactuceae (Asteraceae). *International Journal of Pharmaceutical Research and Bio-Science*. <u>www.ijprbs.com</u>, ISSN NO.2277-8713, (IMPACT FACTOR : 1.862), 3(4): 117-133.
- 501. Saha, D., Maiti, G. G. and Mukherjee, S. K. 2014.Leaf venation pattern of some Indian members of Rubiaceae.*International Journal of Pharmaceutical Research and Bio-Science*. <u>www.ijprbs.com</u>, ISSN NO.2277-8713 , (IMPACT FACTOR : 1.862), 3(4): 160-169.
- **502.** Jana, B. K. and Mukherjee, S. K. 2014. Distribution of trichomes on the mature cypselar surface of some species of Compositae. ISSN NO: 2050 9768. *J. Econ. Tax. Bot.* 38 (2) : 369 383.

- **503.** Mitra, Sunit and Mukherjee, S. K. 2014.Census of endemic Angiospermic taxa of West Bengal, India, ISSN NO: 2050 9768. *J. Econ. Tax. Bot.* 38 (2) : 287 302.
- **504.** Jana, B. K. and Mukherjee, S. K. 2014. Marker characters of cypselas in three taxa of Lactuceae (Compositae). ISSN: 0971-2976. *J. Botan. Soc. Bengal*, 68(1):59-64.
- **505.** Jana, B. K. and Mukherjee, S. K. 2014. Fruit structure as taxonomic marker in the species *Chaenactisfremontii* of the tribe Chaenactideae (Asteraceae). ISSN NO: 0971-6920. *Flora and fauna*. 20 (1): 03-07
- **506.** Bandyopadhyay, Subhajitand Mukherjee, S. K. 2014. Floristic diversity of Koch Bihar district, West Bengal, India. In National Symposium "Plant Diversity: Structure, Function, Utilization and Conservation" on December 4 6, 2014. Organized by Botanical Society of Bengal, In collaboration with The Centre of Advanced Study, Department of Botany, University of Calcutta, Kolkata -700 019. *Pp.*27.
- 507. Mitra, Sunit and Mukherjee, S. K. 2014. Diversity of Endemic AsteraceaeIn India. In National Symposium "Plant Diversity: Structure, Function, Utilization and Conservation" on December 4 6, 2014. Organized by Botanical Society of Bengal, In collaboration with The Centre of Advanced Study, Department of Botany, University of Calcutta, Kolkata -700 019. *Pp*.37, 38.
- 508. Jana, Bidyut Kumar and Mukherjee, S. K. 2014. Marsilea L. a unique fern genus for future use. In National Seminar on Cryptogamic Botany 2014 Amazing Cryptogams : Learning to Know & 12thProbir Chatterjee Memorial Lecture, 18-19th December, 2014. Organized by Department of Botany, University of Kalyani, Kalyani in collaboration with Probir Chatterjee Research Foundation, Kolkata. Pp. 36-37.
- **509.** Bhattacharjee, Bandana, Lakshminarasimhan, P. and Mukherjee, S. K. 2014. The tribe VernonieaeCass.(Asteraceae) in India. In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp*.37.(Awarded S.R. Jadav Best Poster Presentation).
- **510.** Mukherjee, S. K. 2014.Diversity of Endosperm in some taxa of Compositae. In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp.*56.
- 511. Jana, Bidyut Kumar and Mukherjee, S. K. 2014.In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp.56*.
- 512. Das Datta, Madhushri and Mukherjee, S. K. 2014.Cypselar Features and Their Taxonomic Significance in Four Species of Asteraceae. In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp*.57
- 513. Lodh, Partha and Mukherjee, S. K. 2014.Comparative Study of Two Species of *Phyllanthus*(EuphorbiaceaeS.L.) of '*Niruri* Complex' Commonly Found in West Bengal. In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp*.57.
- **514.** Saha, Lipika and Mukherjee, S. K. 2014.Survey of ethno medicinal plants used by tribal's in some parts of Nadia District (West Bengal), In 24th Annual Conference of Indian Association

for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31^{st} October to 2^{nd} November, 2014. Organized by Department of Plant Science, BharathidasanUniversity, Tiruchirappalli Bharathidasan University, Tiruchirappalli – 620 024, Tamil Nadu. *Pp*.90 – 91.

- 515. Chakraborty, Mousumi and Mukherjee, S. K. 2014.Morpho-anatomical variations of cypselasi in Five Species of The Tribe Lactuceae (Asteraceae). In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp*.110 111.
- 516. Mitra, Sunit and Mukherjee, S. K. 2014.In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli – 620 024, Tamil Nadu. *Pp*.111.
- 517. Mitra, Sunit and Mukherjee, S. K. 2014.Census of Endemic Angiospermic Taxa of West Bengal, India..In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp*.111-112.
- 518. Brahma, Goutam, Debnath, H. S. and Mukherjee, S. K. 2014.Studies on the Mangrove Vegetation of Lothian Island Wildlife Sanctuary. In 24th Annual Conference of Indian Association for Angiosperm Taxonomy (IAAT) & International Conference on Trends in Plant Systematics" on 31st October to 2nd November, 2014. Organized by Department of Plant Science, Bharathidasan University, Tiruchirappalli 620 024, Tamil Nadu. *Pp*.125.
- **519.** C. M. Sabapathy : "Taxonomic studies of the genus *Dendrobium*SW (Orchidaceae) in India"- (2014).
- **520.** Mr. Goutam Brahma: "Assessment of phytodiversity in correlation with physio- chemical parameters of water and soil samples of Sundarbans". (2014).
- **521.** Chakravorty A and Ghosh P (2014) Crop Diversification and Conservation Agriculture Towords Sustainable Crop Improvement in Global Scenario. Roychowdhury R. (Ed.) International Publication House Pvt. Ltd. pp. 143-163. [ISBN:9789-382332619]
- **522.** Tarafdar A, Biswas KK & Ghosh PD (2014) Molecular chartacterization of Citrus tristeza virus (CTV) genome. In: *Molecular biology of Plant and Microbes* (Ed. Sen A).pp. 1-12.
- **523.** Adhikari S, Biswas A, Bandyopadhyay TK & Ghosh PD (2014) A preliminary note on the genetic variation in pointed gourd (*Trichosanthes dioica* Roxb.) as assessed by Random Amplified Polymorphic DNA. *Acta Biologica Hungarica*. 65: 156-164. [ISSN: 0236-5383; IF-0.56]
- **524.** Adhikari S, Bandyopadhyay TK & Ghosh PD (2014) Assessment of genetic stability of *Cucumis sativus* L. regenerated from encapsulated shoot tips. *Scientia horticulturae* 170: 115-122.[ISSN: 0304-4238; IF-1.50]
- **525.** Ghosh A, Bondyopadhyay A, Ghosh PD & Chatterjee P (2014) Evaluation of Antibacterial Potentiality of a Cyclopenta Naphthalene Tetraol Terpenoid Isolated from *Curcuma caesia* Roxb. *Research and Reviews: Journal of Botanical Sciences*, 3(1): 27-34. [ISSN: 2320-0189]
- **526.** Saha S, Sengupta C, Ghosh PD (2014) Molecular and phytochemical analyses to assess genetic stability in alginate-encapsulated microshoots of *Ocimum gratissimum* L. following in vitro storage. *Nucleus* 57: 33-43.[ISSN: 0976-7975; Springer]
- **527.** Adhikari S, Saha S, Bandyopadhyay TK & Ghosh PD (2015) Efficiency of ISSR marker for characterization of *Cymbopogon* germplasms and their suitability in molecular barcoding. *Plant Systematics and Evolution* 301:439-450.[ISSN: 2199-6881;IF-1.15]

- 528. Saha S, Roy S, Sengupta C & Ghosh PD (2014) Micropropagation and analysis of genetic stability in regenerated plantlets of *Ocimum canum* Sims. *Indian Journal of Plant Physiology*. 19: 174-183. [ISSN: 0974-0252; Springer]
- **529.** Das SS, Das (Sur) S & Ghosh PD (2014) Phylogenetic relationships among three species of the mangrove genus *Avicennia* found in Indian Sundarban, as revealed by RAPD analysis. *Asian Journal of Plant Science and Research*, 4(2):25-30. [ISSN: 2249-7412]
- 530. Saha S, Sengupta C & Ghosh PD (2014) Encapsulation, short-term storage, conservation and molecular analysis to assess genetic stability in alginate-encapsulated microshoots of *Ocimum kilimandscharicum* Guerke. *Plant Cell, Tissue and Organ Culture*. 10.1007/s11240-014-0618-x [ISSN: 1573-5044; IF-2.61]
- **531.** Saha S, Sengupta C & Ghosh PD (2014) Evaluation of the genetic fidelity of in vitro propagated *Ocimum basilicum* L. using RAPD and ISSR markers. *Journal of Crop Science & Biotechnology* 17:281-287.[ISSN: 2005-8276; Springer]
- **532.** Ghosh J, Roy Choudhury R & Ghosh PD (2014) An Assessment of Genetic Relatedness between Soybean [Glycine max (L.) Merrill] Cultivars Using SSR Markers. *American Journal of Plant Science* 5: 3089-3096.[ISSN: 2158-2750; IF-0.96]
- **533.** Chakravorty A, Ghosh PD (2014) Interrelationship and cause effect analysis among panicle yield attributing traits in lowland traditional rice. Journal of Central European Agriculture 15: 213-224.[ISSN:1332-9049]
- **534.** Dey T, Saha S & Ghosh PD (2015) Somaclonal variation among somatic embryo derived plants evaluation of agronomically important somaclones and detection of genetic changes by RAPD in *Cymbopogon winterianus*. South African Journal of Botany 96:112-121.[ISSN: 0254-6299; IF-1.67]
- **535.** Singh R.P., Sharma B., Sarkar A., Sengupta C., Singh P. & Ibrahim M.H. (2014) Biological Responses of Agricultural Soils to Fly-Ash Amendment. pp. 45-60. In ..D.M. Whitacre Eds. Reviews of Environmental Contamination and Toxicology. Vol. 232 .Springer International Publishing Switzerland.
- **536.** Saha S, Sengupta C, Ghosh PD (2014) Molecular and phytochemical analyses to assess genetic stability in alginate-encapsulated microshoots of *Ocimum gratissimum* L. following in vitro storage. *Nucleus* 57:33-43.[ISSN:0976-7975]
- **537.** Saha S, Roy S, Sengupta C & Ghosh PD (2014) Micropropagation and analysis of genetic stability in regenerated plantlets of *Ocimum canum* Sims. Indian J Plant Physiol 19:173-183.[ISSN:0974-0252]
- **538.** Saha S, Sengupta C & Ghosh PD (2014) Encapsulation, short-term storage, conservation and molecular analysis to assess genetic stability in alginate-encapsulated microshoots of *Ocimum kilimandscharicum* Guerke. Plant Cell, Tissue and Organ Culture. (Accepted, in press) [ISSN:1573-5044]
- **539.** Dasgupta N, Sengupta C & Das S (2014) Role of Secondary Metabolites and Radical Scavenging Aptitude for Better Adaptability of Mangroves in Varying Salinity of Sundarbans, India. Annals of Tropical Research 36[2]: 1-22. [ISSN 0116-0710]
- **540.** Sarkar A & Sengupta C (2014) Effect of Cadmium (Cd) stress on the germination and early seedling growth of Mustard seeds (*Brassica campestris* L.) : deducing a dose response relationship. NBU. Journal of Plant Sciences. Vol.8. (1): 19-24.[ISSN:09746927]
- **541.** Bhattacharyya S. K., Sengupta C & Tarafdar J (2014) *In vitro* screening of bio agents from rhizosphere soil against *Macrophomina phaseolina* and seedling health of Jute. J. Mycopathol, Res, 52(2) : 267-272.[ISSN: 0971-3719]
- 542. Sen K., Sengupta C & Saha J (2014) PGPR CONSORTIUM IN ALLEVATING DOWNY MILDEW OF CUCUMBER. Int J. Pl,Ani, Env. Sc. Vol.4.(4): 150-159.[ISSN: 2231-4490]

543.

- 544. International Journal of Pharmaceutical Research and Bio-ScienceISSN- 2277-8713.
- **545.** Sushanta Das, **Sudipta Roy**, Bidyut Kumar Jana, Sobhan Kr. Mukherjee. Diversity of cypselar features in some taxa of the tribe Anthemideae (Asteraceae).**IJPRBS.** 3(1): 410-424. 2014.
- **546.** Guided 1 student to carry out dissertation work entitled "An investigation into the bioactive potentiality of *Suaeda maritima* (L.) leaves" for partial fulfillment of the requirements for the degree of Master of Science in Biotechnology of Vidyasagar University.

Department of Chemistry

85-95. [ISSN: 1975-9479]

- 547. A Pd-C Catalyzed One-pot Synthesis of Substituted Benzimidazoles, S. Joardar, A. Bhattacharyya and S. P. Das, *Synthesis*, 46, 3121 (2014)
- 548. Degradation Dynamics of Clomazone in Paddy Field, A. Bhattacharyya, B. Ghosh, S. P. Das and A. Bhattacharyya, *J. Crop Weed*, 10, 392-97 (2014)
- 549. Residual fate & persistence of a mixed herbicide formulation (pyroxulam 4.5% OD + sulfosulfuron 75% WDG) in wheat plant and field soil, B. Ghosh, A. Bhattacharyya, S. Mukherjee, S. P. Das and A. Bhattacharyya, J. Crop Weed, 10, 407-13 (2014)
- **550.** Palladium-Mediated Reductive Heck Cyclization for the formation of Tricyclic Sultams, S. Joardar, S. Chakravorty and S. P. Das, *Synlett*, 26, 358 (2015)
- **551.** A β-Cyclodextrin modified hydrous zirconium oxide: synthesis, characterization and physicochemical aspects on fluoride adsorption, I. Saha, A. Ghosh, D. Nandi, K. Gupta, D. Chatterjee and U. C. Ghosh, *Chem. Eng. J.* 263, 220-230 (2015)
- **552.** Spatial, vertical and temporal variation of arsenic in shallow aquifers of the Bengal Basin: Controlling geochemical processes, A. Biswas, H. Neidhardt, A. K. Kundu, D. Halder, D. Chatterjee, Z. Berner, G. Jacks and P. Bhattacharya, *Chemical Geology*, 387, 157-169 (2014)
- 553. Arsenic Species in Raw and Cooked Rice: Implications for Human Health in Rural Bengal, D. Halder, A. Biswas, Z. Šlejkovec, D. Chatterjee, J. Nriagu, G. Jacks and P. Bhattacharya, *Sci. Total Environ.*, 497-498, 200-208 (2014)
- 554. Shallow hydrostratigraphy in an arsenic affected region of Bengal Basin: Implication for targeting safe aquifers for drinking water supply, A. Biswas, P. Bhattacharya, A. Mukherjee, B. Nath, H. Alexanderson, A. K. Kundu, D. Chatterjee and G. Jacks, *Sci. Total Environ.*, 485-486, 12-22 (2014)
- **555.** Speciation of arsenic in saliva samples from a population of West Bengal, India, S. Bhowmick, D. Halder, J. Nriagu, D. GuhaMazumder, G. Roman-Ross, D. Chatterjee and M. Iglesias, *Environ. Sci. Technol.*, 48, 6973-6980 (2014)
- **556.** Role of competing ions in the mobilization of arsenic in groundwater of Bengal Basin: Insight from surface complexation modelling, A. Biswas, J. P. Gustafsson, H. Neidhardt, D. Halder, A. K. Kundu, D. *Chatterjee*, Z. Berner and P. Bhattacharya, *Water Research*, 55, 30-39 (2014)
- **557.** Organic carbon induced mobilization of iron and manganese in a West Bengal aquifer and the muted response of groundwater arsenic concentrations, H. Neidhardt, Z. A. Berner, D. Freikowski, A. Biswas, S. Majumder, J. Winter, C. Gallert, D. Chatterjee and S. Norra, *Chemical Geology*, 367, 51-62 (2014)
- 558. Montmorillonite-supported nanoscale zero-valent iron for removal of arsenic from aqueous solution: Kinetics and mechanism, S. Bhowmick, S. Chakraborty, P. Mondal, W. V. Renterghem, S. V. den Berghe, G. Roman-Ross, D. Chatterjee and M. Iglesias, *Chem. Engg. J.*, 243, 14-23 (2014)

- **560.** Size-fractionation of groundwater arsenic in alluvial aquifers of West Bengal, India: the role of organic and inorganic colloids, S. Majumder, B. Nath, S. Sarkar, D. Chatterjee, G. Roman-Ross and M. Hidalgo, *Sci. Total Environ.*, 468, 804-812 (2014)
- **561.** Retardation of arsenic transport by oxidized Holocene aquifer sediments of West Bengal, India, S. Chakraborty, B. Nath, D. Chatterjee and L. Charlet, *J. Hydrology*, 235, 456-471 (2014)
- **562.** Preconcentration and recovery of plant protecting chemicals from soil and water by dispersive liquid-liquid extraction, R. Joarder, D. Santra, S. Marjit and M. Sarkar, *Euro. Chem. Bull.* 3, 612-616 (2014)
- **563.** Adsorption of arsenic (V) onto metal loaded cellulose nanocomposite bead (MCNB)-isotherm and thermodynamics study, D. Santra, R. Ghosh, M. Das, P. Majumdar and M. Sarkar, *Euro. Chem. Bull.*, 3, 692-698 (2014)
- **564.** Taguchi design and equilibrium modeling for fluoride adsorption on cerium loaded cellulose nanocomposite bead, D. Santra, R. Joarder and M. Sarkar, *Carbohydrate Polymers*, 111, 813–821 (2014)
- 565. Modeling fluoride adsorption on cerium loaded cellulose bead response surface methodology, equilibrium and kinetic studies, M. Sarkar and D. Santra, *Water, Air, & Soil Pollution*, 226, 30-43 (2015)
- **566.** M. Sarkar, Current trends in microextraction as a clean up process in trace analysis, *Proc. NSPUIE*, p. 7-11 (2014)
- **567.** Arsenic remediation by eco-friendly biomaterial, 4th National conference on pollution in urban industrial environment, D. Santra, M. Das and M. Sarkar, *Proc. NSPUIE*, p. 53-67 (2014)
- **568.** An efficient and reliable method for pesticide residue analysis in food, R. Joarder, P. Majumdar and M. Sarkar, 4th National conference on pollution in urban industrial environment, *Proc. NSPUIE*, p. 12-20 (2014)
- **569.** δ,ε-Unsaturated α,β-diamino acids as building blocks for the asymmetric synthesis of diverse α ,β -diamino acids, N. Saha, B. Chatterjee and S. K. Chattopadhyay, J. Org. Chem. 80, 1896 (2015)
- **570.** A short synthesis of the a-amino acid component of some cyclic peptides, A. Pahari, J. P. Mukherjee and S. K. Chattopadhyay, *Tetrahedron* 70, 7185-7191 (2014)
- **571.** Coumarin-Pterocarpan conjugates: A new hybrid molecular probe for DNA recognition, S. K. Chattopadhyay, I. Kundu and R. Maitra, *Org. Biomol. Chem.* 12, 8087-8093 (2014)
- **572.** Enantioselective synthesis of polyhydroxy indolizidine and quinolizidine derivatives from a common precursor, N. Saha and S. K. Chattopadhyay, *Beilstein J. Org. Chem*, 10, 3104 (2014)
- **573.** Asymmetric synthesis of D-Proline, D-Pipecolic acid, 3S, 4R-3,4-dihydroxyproline and 1,4-dideoxy-1,4-imino-D-talitol from a common precursor, S. K. Chattopadhyay and J. P. Mukherjee *Synthesis* 46, 2481-2488 (2014)
- **574.** A new atom-economic access to pyranocoumarins and their benzannulated derivatives, S. K. Chattopadhyay, P. Mondal and D. Ghosh, *Synthesis* 46, 3331 (2014)
- **575.** Green synthetic approaches for medium ring-sized heterocycles of biological interest, S.K. Chattopadhyay, In *Green Synthetic Approaches for Biologically relevant Heterocycles*, G. Brahmachari (Ed.), Elsevier (2014) ISBN: 978-0-12-800070-0.

- **576.** Ruthenium and palladium complexes incorporating amino-azo-phenol ligands: synthesis, characterization, structure and reactivity, P. Pattanayak, S. P. Parua, D. Patra C.-K. Lai, P. Brandão, V. Felix and S. Chattopadhyay, *Inorg. Chim. Acta.*, 429, 122-131 (2015)
- **577.** Synthesis, structure and photoluminescence properties of functionalized azoimine ligands and their nickel complexes, S. P. Parua, P. Mondal, P. Pattanayak and S. Chattopadhyay, *Polyhedron* 89, 142-148 (2015)
- **578.** Synthesis, characterization, structure and properties of copper and palladium complexes incorporating azo-amide ligands, P. Pattanayak, J. L. Pratihar, D. Patra, P. Brandão, V. Felix and S. Chattopadhyay, *Polyhedron*, 79, 43-51 (2014)
- **579.** Alkanol participated conversion of aldimines into α-amino ether: Formation of cobalt (III) complexes incorporating hemiaminal-azo ligand, P. Pattanayak, S. P. Parua, J. L. Pratihar, P. Dey and S. Chattopadhyay, *J. Chem. Sci.* 2014 (Accepted, 2014-15)
- **580.** Synthesis, characterizations and structure of orthometallated Pt(II) and Pt(IV) complexes: Oxidative addition to C,N,N,O coordinated Pt(II) complexes, P. Pattanayak, S. P. Parua, D. Patra, J. L. Pratihar, P. Brandão, V. Felix and S. Chattopadhyay, *Polyhedron*, 52, 1 (2014)
- **581.** N. Nandi, S. Dutta, Molecular interactions in biomimetics and biosystems: Chirality and confinement at nanodimension, In *Encyclopedia of Biocolloid and Biointerface Science*, H. Ohshima (Ed.), Wiley (2015), ISBN: 978-1-118-54276-7
- **582.** N. Nandi and S. Dutta, Structure and dynamics of biological nanospace: Class II aminoacyl *t*RNA synthetase, In *Encylopedia of Nanoscience and Nanotechnology (Invited book chapter)* (submitted)
- **583.** Helfrich's concept of intrinsic force and its molecular origin in bilayers and monolayers, N. Nandi and D. Vollhardt, *Adv. Colloid Interface Sci. (Prof. Wolfgang Helfrich Festschrift)*, 208, 110-120 (2014)
- **584.** Analysis of Debye Waller factor and molecular dynamics simulation of seryl tRNA synthetase, S. Dutta, S. Kundu and N. Nandi, J. Ind. Chem. Soc., 91, 1125-1144 (2014)
- 585. Active site nanospace of aminoacyl tRNA synthetase: Difference between the Class I and Class II synthetases, S. Dutta, K. Choudhury, S. Dutta Banik and N. Nandi, J. Nanoscience Nanotechnol. (Special issue on Nanospace), 14, 2280-2298 (2014)
- 586. A new approach for the delivery of artemisinin: Formulation, characterization, and ex-vivo antileishmanial studies, M. Y. Want, Md Islamuddin, G. Chouhan, A. K. Dasgupta, A. P. Chattopadhyay, F. Afrin, J. Colloid Interface Sci. 432, 258-269 (2014)
- 587. Femtomolar level sensing of inorganic arsenic(III) in water and in living-systems using a non-toxic fluorescent probe, B. Dey, P. Mukherjee, R. K. Mondal, A. P. Chattopadhyay, I. Hauli, S. K. Mukhopadhyay and M. Fleck, *Chem. Commun.* 50, 15263-15266 (2014)
- 588. Copper nanoparticle induced macromutation in Macrotyloma uniflorum (Lam.) Verdc. (Leguminosae): a pioneer report, S. Halder, A. Mandal, D. Das, S. Gupta, A. P. Chattopadhyay, A. K. Datta, *Genet Resour Crop Evol* 62, 165-175 (2015)
- 589. A simple, fast and cost-effective method of synthesis of cupric oxide nanoparticle with promising antibacterial potency: Unraveling the biological and chemical modes of action, R. Chakraborty, R. Sarkar, A. K. Chatterjee, U. Manju, A. P. Chattopadhyay, T. Basu, *Biochim. Biophys Acta*, 1850, 845-856 (2015)
- **590.** Pd-catalyzed dehydrogenative C-H activation of iminyl hydrogen with the indole C3-H and C2-H bond: an elegant synthesis of indeno[1,2-b]indoles and indolo[1,2-a]indoles, S. Hazra, B. Mondal, R. N. De and B. Roy, *RSC Adv.*, 5, 22480-89 (2015)
- 591. Iron-catalyzed synthesis of heterocycles, K. C. Majumdar, N. De, T. Ghosh and B. Roy, *Tetrahedron*, 4827-4868 (2014)

- **592.** Molecular iodine mediated regioselective synthesis of pyranocoumarins and bis-fused benzo-2H-pyran derivatives, K. C. Majumdar, B. Sinha, I. Ansary, S. Ganai, D. Ghosh, B. Roy and B. Sridhar, *Synthesis*, 1807-1814 (2014)
- **593.** Copper and palladium co-catalyzed intramolecular C-H functionalization/C-N Bond formation: A route to the synthesis of indoloisoquinoline derivatives, S. Hazra, B. Mondal, H. Rahaman and B. Roy, *Euro. J. O. C.* 22, 2806-2812 (2014)
- **594.** PhI(OAc)₂ and BF₃-OEt₂ mediated heterocyclization: Metal-free synthesis of pyrimidineannulated oxazolines, B. Mondal, S. Hazra, K. Naktode, T. Panda and B. Roy, *Tetrahedron Lett.* 55, 5625–5628 (2014)
- **595.** Pd(II)-catalyzed regioselective direct arylation of uracil via oxidative Heck reaction using arylboronic acids, B. Mondal, S. Hazra and B. Roy, *Tetahedron Lett.* **55**, 1077-1081 (2014)
- **596.** S. De, "Self-assembled Cell-mimicking Vesicles composed of Amphiphilic Molecules Structure and Applications" in the Encyclopedia of Biocolloid and Biointerface Science H. Ohshima (Ed.), Wiley (2015), ISBN: 978-1-118-54276-7
- **597.** Catalytic and fluorescence studies with copper nanoparticles synthesized in polysorbates of varying hydrophobicity, S. Mandal and S. De, *Colloids Surf. A: Physicochem. Engg. Aspects.* 467, 233-250 (2015)
- **598.** Ultraslow recombination in AOT-capped TiO₂ nanoparticles sensitized by protoporphyrin IX, S. Biswas, S. De and A. Kathiravan, *Dalton Trans.* 43, 15065-15074 (2014)
- **599.** Green synthesis of gold nanoparticles for staining human cervical cancer cells and DNA binding assay, S. De, R. Kundu, A. Ghorai, R. P. Mandal and U. Ghosh, J. Photochem. *Photobiol. B: Biology.* 140, 130-139 (2014)
- **600.** Silver nanoparticles in hydrogels and microemulsions A comparative account of their properties and bio-activity, D. Ray, S. Chatterjee, K. Sarkar and S. De, *Mat. Res. Exp.* 1, 035022 (2014)
- **601.** Facile synthesis of luminescent TiO₂ nanorods using an anionic surfactant: Their photosensitization and photocatalytic efficiency, S. Biswas, V. Sundstrom and S. De, *Mat. Chem. Phys.* 147, 761–771 (2014)
- **602.** Piperazine-based new sensor: selective ratiometric sensing of Fe³⁺, logic gate construction and cell imaging, K. Ghosh and D. Tarafdar, *Supramolecular Chem.*, 27, 224 (2015)
- **603.** Rhodamine-linked pyridyl thiourea as areceptor for selective recognition of F^{*}, Al³⁺ and Ag⁺ under different conditions, K. Ghosh, S. Panja and T. Sarkar, *Supramolecular Chem.*, 27, 490 (2015)
- **604.** Benzimidazolium-based chemosensors: selective recognition of $H_2PO_4^-$, $HP_2O_7^{3-}$, F^- and ATP through fluorescence and gelation studies, K. Ghosh, D. Kar, D. Sahu and B. Ganguly, *RSC*. *Adv.*, 5, 46608 (2015)
- **605.** Pyridinium-based flexible tripodal cleft: a case of fluorescence sensing of ATP and dihydrogenphosphate under different conditions and cell imaging, K. Ghosh, D. Tarafdar, A. Samadder and A. R. Khuda-Bukhsh, *RSC Adv.*, 5, 35175 (2015)
- **606.** Coumarin-based supramolecular gelator: a case of selective detection of F^- and $HP_2O_7^{3-}$, K. Ghosh and S. Panja, *RSC Adv.*, 5, 12094 (2015)
- **607.** L-Amino acid derived pyridinium-based chiral compounds and their efficacy in chiral recognition of lactate, K. Ghosh and A. Majumdar, *RSC Adv.*, 5, 24499 (2015)
- **608.** Fluoride responsive hydrogel of cholesterol appended pyridinium urea and its metal detecting ability and semi conducting behavior, K. Ghosh, D. Kar and S. Bhattacharya, *Supramolecular Chem.*, 26, 313 (2014)

- **609.** Rhodamine-labelled simple architecture for fluorometric and colorimetric sensing of Hg²⁺ and Pb²⁺ ions in semi-aqueous environment, K. Ghosh, T. Sarkar, A. Majumdar, S. K. Mandal and A. R. Khuda-Bukhsh, *Anal. Methods*, 6, 2648 (2014)
- **610.** Anthracene–labeled pyridinium-based symmetrical chiral chemosensor for enantioselective recognition of L-tartrate, K. Ghosh and T. Sarkar, *Tetrahedron Lett.*, 55, 1342 (2014)
- **611.** Ion conducting cholesterol appended pyridinium bis amide-based gel in the selective detection of Ag⁺ and Cl⁻ ions, K. Ghosh, D. Kar, S. Panja and S. Bhattacharya, *RSC Adv.*, 4, 3798 (2014)
- **612.** Benzimidazolium-based new simple ratiometric fluorescent sensor for selective detection of dihydrogenphosphate, K. Ghosh, D. Kar, A. Panja, I. D. Petsalakis and G. Theodorakopoulos, *Supramolecular Chem.*, 26, 856 (2014)
- **613.** Azaindole-1,2,3-triazole-conjugate in a tripod for selective sensing of Cl⁻, H₂PO₄⁻ and ATP under different conditions, K. Ghosh, D. Kar, S. Joardar, A. Samadder and A. R. Khuda-Bukhsh, *RSC Adv.*, 4, 11590 (2014)
- **614.** Progress of 3-aminopyridinium-based synthetic receptors in anion recognition, K. Ghosh, A. R. Sarkar, T. Sarkar, S. Panja and D. Kar, *RSC Adv.*, **4**, 20114 (2014)
- **615.** Selective sensing of Al³⁺ by naphthyridine coupled rhodamine chemosensors, K. Ghosh, A. Majumdar and T. Sarkar, *RSC Adv.*, **4**, **23428** (2014)
- 616. Nitrogen enriched mesoporous organic polymer anchored copper(II) material: an efficient and reusable catalyst for the synthesis of esters and amides from aromatic systems, R. A. Molla, Md. A. Iqubal, K. Ghosh, Kamaluddin and S. M. Islam, *Dalton Trans.*, 44, 6546-6559 (2015)
- 617. Direct oxidative esterification of alcohols and hydration of nitriles catalyzed by a reusable silver nanoparticle grafted onto mesoporous polymelamine formaldehyde (AgNPs@mPMF), K. Ghosh, Md. A. Iqubal, R. A. Molla, A. Mishra, Kamaluddin and S. M. Islam, *Catal. Sci and Technol.*, 5, 1606-1622 (2015)
- **618.** An aerobic oxidative synthesis of aryl nitriles and primary aryl amides from benzylic alcohols catalyzed by a polymer supported Cu(II) complex, R. A. Molla, K. Ghosh, K. Tuhina and S. M. Islam, *New J. Chem.*, 39, 921-930 (2015)
- **619.** Polymer anchored ruthenium complex: a highly active and recyclable catalyst for one-pot azide-alkyne cycloaddition and transfer-hydrogenation of ketones under mild conditions, R. A. Molla, K. Ghosh, K. Tuhina and S. M. Islam, *J. Organomet. Chem.*, 761, 169-178 (2014)
- **620.** Polymer-anchored Ru(II) complex as an efficient catalyst for the synthesis of secondary amides from alcohols and amines, S. M. Islam, K. Ghosh, A. Singha Roy and R. A. Molla, *Applied Organomet Chem*, 28, 900-907 (2014)
- **621.** Polymer supported Rhodium carbonyl complex catalyzed carbonylation of glycerol for the synthesis of carboxylic acids, R. A. Molla, K. Ghosh, A. Singha Roy and S. M. Islam, *J. Mol. Catal. A: Chemical*, 396, 268-274 (2015)
- **622.** Synthesis of a reusable polymer anchored cobalt(II) complex for the aerobic oxidation of alkyl aromatics and unsaturated organic compounds, S. M. Islam, K. Ghosh, R. A. Molla, A. Singha Roy, N. Salam and Md. A. Iqubal, *J. Organomet. Chem.*, 774, 61-69 (2014)
- **623.** Ag-grafted covalent imine network material for one-pot three-component coupling and hydration of nitriles to amides in aqueous medium, N. Salam, S. K. Kundu, R. A. Molla, P. Mondal, A. Bhaumik and S. M. Islam, *RSC Adv.*, 4, 47593-47604 (2014)
- **624.** Mesoporous poly-melamine-formaldehyde stabilized palladium nanoparticles (Pd@mPMF) catalyzed mono and double carbonylation of aryl halides with amines, R. A. Molla, Md. A. Iqubal, K. Ghosh, A. Singha Roy, Kamaluddin and S. M. Islam, *RSC Adv.*, 4, 48177-48190 (2014)

- **626.** A novel silver nanoparticle embedded mesoporous polyaniline (mPANI/Ag) nanocomposite as recyclable catalyst in the acylation of amines and alcohols under solvent free condition, U. Mandi, A. Singha Roy, B. Banerjee and S. M. Islam, *RSC Adv.*, 4, 42670-42681 (2014)
- **627.** Aerobic oxidation and oxidative bromination in aqueous medium using polymer anchored oxovanadium complex, S. M. Islam, R. A. Molla, A. Singh Roy, K. Ghosh, N. Salam, Md. A. Iqubal and K. Tuhina, *J. Organometallic Chem.*, 761, 169-178 (2014)
- **628.** A ruthenium grafted triazine functionalized mesoporous polymer: a highly efficient and multifunctional catalyst for transfer hydrogenation and Suzuki-Miyura cross coupling reactions, N. Salam, S. K. Kundu, A. Singha Roy, P. Mondal, K. Ghosh, A. Bhaumik and S. M. Islam, *Dalton Trans.*, 43, 7057–7068 (2014)
- **629.** A highly active reusable polymer anchored copper catalyst for C-O,C-N and C-S cross coupling reactions, S. M. Islam, N. Salam, P. Mondal, A. Singha Roy, K. Ghosh and K. Tuhina, *J. Mol. Catal. A: Chemical*, 387, 7-19 (2014)
- **630.** Silver nanoparticles embedded over mesoporous organic polymer ashighly efficient and reusable nanocatalyst for the reduction ofnitroarenes and aerobic oxidative esterification of alcohols, N. Salam, B. Banerjee, A. Singha Roy, P. Mondal, S. Roy, A. Bhaumik and S. M. Islam. *Applied Catal. A: General* 477, 184-194 (2014)
- **631.** Cu(II)-anchored functionalized mesoporous SBA-15: an efficient and recyclable catalyst for one pot click reaction in water, S. Roy, T. Chatterjee, M. Pramanik, A. Singha Roy, A. Bhaumik and S. M. Islam, *J. Mol. Catal. A: Chemical*, 386, 78-85 (2014)
- **632.** Effect of sol-gel modified nano calcium carbonate (CaCO₃) on the cure, mechanical and thermal properties of acrylonitrile butadiene rubber (NBR) nanocomposites, K. Roy, Md. N. Alam, S. K. Mandal, S. C. Debnath, J. Sol-Gel Sci. Technol., 73, 306–313 (2015)
- 633. Surface modification of sol-gel derived nano zinc oxide (ZnO) and the study of its effect on the properties of styrene-butadiene rubber (SBR) nanocomposites, K. Roy, Md. N. Alam, S. K. Mandal, S. C. Debnath, J. Nanostruct. Chem. 4, 133-142 (2014)
- 634. Reclaiming of ground rubber tyre by safe multifunctional rubber additives III. Styrene butadiene / reclaimed ground rubber tyre vulcanizates, S. K. Mandal, Md. N. Alam, K. Roy, S. C. Debnath, *Rubber Chem. Technol.*, 87, 486-500 (2014)
- **635.** High performance natural rubber composites with a hierarchical reinforcement structure of carbon nanotube modified natural fibers, L. Tzounis, S. C. Debnath, S. Rooj, D. Fischer, E. Mäder, A. Das, M. Stamm, G. Heinrich, *Mater. Design*, 58, 1–11 (2014)
- **636.** Reactions of the dirhenium(III) complex Re₂(1-O₂CCH₃)₄Cl₂ with triphenylguanidine: Dirhenium paddlewheel complex versus the mononuclear quadruple bond cleavage product, S. Mallick, M. K. Ghosh, R. Saha and S. Chattopadhyay, *Polyhedron*, 71, 104 (2014)
- **637.** Steric and electronic effects on arylthiolate coordination in the pseudotetrahedral complexes [(Tp^{Ph,Me})Ni–SAr] (Tp^{Ph,Me} = hydrotris{3-phenyl-5-methyl-1-pyrazolyl}borate), T. Deb, C. M. Anderson, S. Chattopadhyay, H. Ma, V. G. Young and M. P. Jensen, *J. Chem. Soc., Dalton Trans*, **43**, 17489-17499 (2014)
- **638.** Synthesis, structure and spectral properties of dithiocarbamato bridged dirhenium(III,II) complexes: A combined experimental and theoretical study, S. Mallick, M. K. Ghosh , M. Mohapatra , S. Mohapatra and S. Chattopadhyay, *Inorg. Chim. Acta* 424, 129-135 (2015)
- **639.** Acetylacetonato chelated ruthenium organometallics incorporating imine-phenol function: Spectroscopic, structural, electrochemical and cytotoxicity studies, S. Mallick, M. K. Ghosh,

- **640.** Triphenylguanidine-promoted *ortho*-metalation reaction in a triply bonded dirhenium system spectroscopic, structural, and computational studies, S. Mallick, M. K. Ghosh and S. Chattopadhyay, *Euro. J. Inorg. Chem.* 1759–1765 (2015)
- **641.** Water soluble heteronuclear [NaCu^{II}₆] metallomacrocyclic sandwich complexes: synthesis, structure, properties and *in vitro* biological studies, A. Patra, S. K. Saha, T. K. Sen, L. Carrella, G. T. Musie, A. R. Khuda-Bukhsh and M. Bera, *Euro. J. Inorg. Chem.*, 5217-5232 (2014)
- **642.** Exploring the catalytic activity of new water soluble dinuclear copper(II) complexes towards the glycoside hydrolysis. S. Haldar, A. Patra and M. Bera, *RSC Adv.*, 4, 62851-62861 (2014)
- **643.** Computational study on the ion interaction of ellipticine: A theoretical approach toward selecting the appropriate anion, S. Paul, A. Mallick and T. Majumdar, *Chem. Phys. Lett.*, 634, 29-34 (2015)
- 644. Kinetic exploration appended by spectroscopic and molecular docking analysis in search of an optimal condition for effective degradation of malachite green, S. Dasmondal, H. K. Mondal, S. Rudra, A. Kundu, T. Majumdar and A. Mahapatra, *RSC Adv.*, 5, 38503-38512 (2015)
- **645.** Binding interaction of a newly developed bisindole drug molecule with α-cyclodextrin: face to face shielding of indole hoops, A. Mallick, T. Majumdar, B. Haldar and U. K. Roy, *RSC Adv.*, 4, 38206-38212 (2014)
- **646.** Effect of cosolvents in the presence of sodium dodecyl sulfate micelles on the rate of alkaline hydrolysis of tris(2,2-bipyridine)iron(II)complex, A Kundu, S Dasmandal, T Majumdar and A Mahapatra, *Colloids Surf. A: Physicochem. Eng. Aspects*, **452**, 148–153 (2014)
- **647.** Photophysical, NMR and density functional study on the ion interaction of norharmane: proton transfer vs. hydrogen bonding, A Mallick, UK Roy, T Majumdar, B Haldar and S Pratihar, *RSC Adv.* 4, 16274-16280 (2014)
- **648.** Solubility and solvation thermodynamics of a series of homologous α-amino acid in nonaqueous binary mixture of ethylene glycol and dimethyl sulfoxide, K. Mahali, S. Roy and B. K. Dolui, J. Chem. Engg. Data, 60, 1233-1241 (2015)
- **649.** Thermodynamics of DL-alanine solvation in water-dimethyl sulfoxide mixtures at 298.15K, S. Roy, K. Mahali, S. Mondal and B. K. Dolui, *Russian J. Phys. Chem.*, A, 89, 654-662 (2015)
- **650.** Solubility of α-amino butyric acid in water-NaNO₃ mixture and analysis of related thermodynamic parameters, S. Roy, K. Mahali, S. Pal, S. Mondal and B. K. Dolui, *Anal. Chem. An Indian J.*, 15, 065-073 (2015)
- 651. Physico-Chemical studies of DL-alanine in aqueous sodium nitrate solution, S. Roy, K. Mahali, S. Mondal, R. P. Mondal and B. K. Dolui, *Russian J. General Chem.*, 85, 162-167 (2015)
- 652. Saheb Dutta and Nilashis Nandi. Dynamics of the Active Sites of Dimeric Seryl tRNA Synthetase from Methanopyrus kandleri. J. Phys. Chem. B, 2015, 119, 10832–10848

DEPARTMENT OF ENVIRONMENTAL SCIENCE

- **653.** Global warming impact on crop productivity in climate change environment and crop productivity. S.C.Santra, A. Mallick and A.C.Samal. 2014. Eds. R.S.Sengar, CRC Press, Francis & Taylor, pp. 357-384, ISBN 9781482229202
- **654.** A greenhouse pot experiment to study arsenic accumulation in rice varieties selected from Gangetic Bengal, India. Piyal Bhattacharya, A.C. Samal, S.C. Santra (2015), In: AL

Ramanathan, S Johnson, A Mukherjee, B Nath (eds) Safe and Sustainable use of As-Contaminated aquifers in the Gangetic plain: A multidisciplinary Approach. Springer Publishing, Switzerlandand Capital Publisher, New Delhi (ISBN: 978-93-818-9108-7)

- **655.** Diversity of epiphytic lichens and their role in sequestration of atmospheric metals. S. Kar, A.C.Samal, J.P.Maity, and S.C.Santra. (2014). Int. Journal Environ. Science and Technology, 11: 899-908 (I. F. 1.844).
- **656.** Dietary arsenic consumption and urine arsenic in an endemic population: response to improvement of drinking water quality in a 2-year consecutive study. Anirban Biswas, Debasree Deb, Aloke Ghose, Gijs Du Laing, Jan De Neve, Subhas Chandra Santra and Debendra Nath Guha Mazumder. 2014. Environ Sci Pollut Res, 21: 609-619 (I.F. 2.618)
- 657. A study to investigate fluoride contamination and fluoride exposure dose assessment in lateritic zones of West Bengal, India, A. C. Samal, P. Bhattacharya, A. Mallick, M. M. Ali, J. Pyne, S. C. Santra, 2014. Environmental Science and Pollution Research. (DOI 10.1007/s11356-014-3817-4) (I.F. 2.76)
- **658.** Climate change and economics of Sunderban an assessment. Subhas Chandra Santra. 2014 Seminar on Climate Change and Economics of Sundarban, Held on September 14, 2014, Bangiya Arthaniti Parishad (Bengal Economic Association, Kolkata.
- **659.** Phytogeographical and Endemic status of Indian flora. 2014. S. C. Santra. In the National Workshop entitled "Taxonomy and Biosystematics of Vascular Plants" to held at Department of Botany, University of Calcutta, 19th July, 2014
- **660.** Application of Spatial Technologies in Drought-hit Rural Land-use Planning: Urbasi Roy and Debasish Das (2014), *Indian Agriculturist*, Vol- 58 No. 1. pp 49-56 ISSN:0019-4336
- 661. The Effect of Ambient Temperature on Some Biochemical Profiles of Black Bengal Goats (*Capra aegagrus hircus*) In Two Different Agro-Climatic Zones in West Bengal, India (2014): Mihir Bhatta, Debasish Das and Probal R. Ghosh, *IOSR Journal of Pharmacy and Biological Sciences*, 9(4): 32-36 (e-ISSN2278-3008, p-ISSN:2319-7676) doi:10.9790/3008-0943326
- **662.** An Approach towards eco-friendly pasture land-use practice with the application of spatial technologies. Urbasi Roy and Debasish Das (2014), Proceedings of International seminar on environmental perspectives and resource management, pp. 298-302. ISBN: 978-81-928047-4-3
- 663. Rare track premonsoon cyclonic storm over Bay of Bengal A case study by Rina Bhattacharya and Rishiparna Guha, Application of modern techniques for the management of contemporary environmental hazards and disessters, Chapter 1, Hazards and disesters, page 24 – 32, Department of Geography, Haringhata Mahavidyalaya, Nadia, ISBN 978-81-929776-0-7 (2014)
- **664.** Proximity hazards of power transmission line on plants: A survey Rina Bhattacharya and Piyali Barman, Application of modern techniques for the management of contemporary environmental hazards and disesters, Chapter 1, Hazards and disesters, page 137 145, Department of Geography, Haringhata Mahavidyalaya, Nadia, ISBN978-81-929776-0-7 (2014)
- **665.** Environmental hazards of an opencast mining and mitigation: a case study Rina Bhattacharya, Misha Roy and Soma Mukherjee Application of modern techniques for the management of contemporary environmental hazards and disessters, Chapter 6, Mitigation and Awareness, page 354 359, Department of Geography, Haringhata Mahavidyalaya, Nadia, ISBN 978-81-929776-0-7 (2014)
- **666.** Solar radiation researches in the Tropics by R.Bhattacharya, G.Biswas, S. Pal and A.Bhattacharya, Non linear dynamics and its application, published by Book Centre, Santiniketan, pp 175 192, 2014, ISBN 978-81-921612-6-6

- **667.** Degree of Discomfort Over Assam Using Meteorological Data, R. Bhattacharya, G. Biswas, A. Bhattacharya, Int. J. Electro. Comm. Tech., 5 (2), 80-83, (2014) Impact 5.09
- **668.** Correlative analysis of cosmic ray intensity and solar activity parameters R. Bhattachaya, M. Roy, Int. J. Eng. Sci. Tech., 6 (2), 24-31, (2014). ISSN 0975-5462 Impact 3.14
- **669.** Link between Cosmic Ray Intensity and Solar activity during different phases of solar cycles, R. Bhattacharya and M. Roy, Int. J. Electro. Comm. Tech., 5 (2), 72-74, (2014) Impact 5.09
- **670.** Characteristics of Tropical Cyclonic Storm Phailin as derived from Satellite and Atmospherics Observations, R. Bhattacharya, R. Guha, J. Pandit, A. B. Bhattacharya, Int. J. Electro. Comm. Tech., 5 (2), 56-59, (2014) Impact 5.09
- 671. High and Low Amplitude Events of Cosmic Ray Diurnal Variation for the Period 1976 -2013
 R. Bhattacharya, M. Roy, Int. J. Innov. Res. Sci. Eng. Tech., 3, 2, 65-69, (2014) ISSN: 2347 6710 Impact 1.682
- 672. Striking events of tropical cyclone researches: An overview R. Bhattacharya, R. Guha and A. Bhattacharya, Int. J. Innov. Res. Sci. Eng. Tech., 3, 2, 207-210, (2014) ISSN: 2347 6710 Impact 1.682
- 673. Cloud Morphology of Cyclonic Storms over the Bay of Bengal using MODIS and TRMM data R. Bhattacharya and R. Guha, Int. J. Innov. Res. Sci. Eng. Tech., 3, 2, 304-309,(2014) ISSN: 2347 6710 Impact 1.682
- 674. A relook on the Rayleigh scattering of light from the sunset observations viewing from Brahmaputra river A. B. Bhattacharya, J. Pandit, B. Raha, D. Halder, R. Bhattacharya, G. Biswas, R. Roy, A. Nag Int. J. Innov. Res. Sci. Eng. Tech., 3, 2, 450-455,(2014) ISSN: 2347 6710 Impact 1.682
- 675. Impact of Electromagnetic Pollution from Mobile phone towers on Local Birds, Bhattacharya R, Roy R, (2014). Int. J. Innov. Res. Sci. Eng. Tech., 3, 2, 32-36,(2014) ISSN: 2347 6710 Impact 1.682
- 676. Impact of 400kV high tension line on Saccharum officinarum (sugarcane): A preliminary observation P. Barman, R. Bhattacharya, Int. J. Innov. Res. Sci. Eng. Tech, 3, 2, 296-299,(2014) ISSN: 2347 6710 Impact 1.682
- 677. Rare Super Cyclone Phailin in the Indian Ocean: Analysis of VIIRS high-resolution IR images and 40 kHz Sferics Data A. B. Bhattacharya, J. Pandit and R. Bhattacharya, Earth, Moon and Planet (2014) DOI 10.1007/s11038-014-9444-8 ISSN 0167-9295 IF 0.438, Spinger
- **678.** Intensity ratios as derived from the luminosity of the setting sun: a comparison through photometry principle and Rayleigh theory, A. B. Bhattacharya, J. Pandit, B. Raha, D. Halder, R. Bhattacharya, G. Biswas, R. Roy and A. Nag, Journal of Physics and Astronomy, (2014) vol 3 issue 3 ISSN 2320-6756 (on line)
- 679. Trends of total ozone as derived from satellite and ground baed measurements by A.B. Bhattacharya, A.Bhoumick and R.Bhattacharya, Sci and Cul, 80, 287 89, 2014 ISSN 0036-8156
- **680.** Investigations on nitrous oxide emissions from organic rice fields as influenced by atmospheric factors by B Kar, S. Karmakar, G. Saha and R.Bhattacharya, J. weed and crop, 10, pp 190-95, ISSN 09746315
- **681.** Greenhouse gas emission potential of wheat as influenced by microclimate and ambient sunshine under varied climatic condition by S. Karmakar, G. Saha, R.Bhattacharya and B Kar, J. weed and crop, 10, pp 231-39, ISSN 09746315
- **682.** Habitat wise distribution of local birds in vicinity of Krishnanagar by Bhattacharya R, Roy R, Proc. Nat. Con. Cha. Bio. Res. Man. pp 179-86 (2014). ISBN 978-81-927762-0-0

- **683.** Environmental hazards of an opencast mining and mitigation: a case study Rina Bhattacharya, Misha Roy and Soma Mukherjee Application of modern techniques for the management of contemporary environmental hazards and disessters,
- **684.** Rare track premonsoon cyclonic storm over Bay of Bengal A case study by Rina .Bhattacharya and Rishiparna Guha, Application of modern techniques for the management of contemporary environmental hazards and disessters,
- **685.** Proximity hazards of power transmission line on plants: A survey Rina Bhattacharya and Piyali Barman, Application of modern techniques for the management of contemporary environmental hazards and disessters,
- **686.** Some Transient behaviour of the atmosphere by A.Bhattacharya and R.Bhattacharya, p26 Int Nat. Conf. on Non linear dynamics and Its application in Physical and Biological Sciences, Darjeeling Govt. College in collaboration with Bose Institute, November 01- 03, 2014
- **687.** Computation of thermal stress for outdoor workers: A regional based study over Kalyani, Nadia, G.Biswas, S. Karmakar, B. Kar and R.Bhattacharya, p 38, Int Nat. Conf. on Non linear dynamics and Its application in Physical and Biological Sciences, Darjeeling Govt. College in collaboration with Bose Institute, November 01- 03, 2014
- **688.** A statistical approach to quantify seed viability by electric field stimulation, P.Barman, M.Roy and R.Bhattacharya, p50, Int Nat. Conf. on Non linear dynamics and Its application in Physical and Biological Sciences, Darjeeling Govt. College in collaboration with Bose Institute, November 01- 03, 2014
- **689.** Climatic determinants of malaria incidences in Bagbazar and Chitpur area under Kolkata Municipal Corporation, R.Banik and R.Bhattacharya, p 56 Int Nat. Conf. on Non linear dynamics and Its application in Physical and Biological Sciences, Darjeeling Govt. College in collaboration with Bose Institute, November 01- 03, 2014
- **690.** Positive and negative feedbacks of changing environment on avian diversity, R.Roy, S. Pal, G. Biswas and R.Bhattacharya, p 57, Int Nat. Conf. on Non linear dynamics and Its application in Physical and Biological Sciences, Darjeeling Govt. College in collaboration with Bose Institute November 01- 03, 2014
- **691.** ICT based Ratiometric Fluorescent pH Sensors using Quinoline Hydrazones; Soma Mukherjee, A. K. Pal, K. K. Rajak, H. Stoeckli-Evans, *Sensors & Actuators* B. 203, 2014, 150-156. [*Impact Factor*: 3.840]
- **692.** A Family of Highly Selective Fluorescent Sensors for Fluoride based on Excited State Proton Transfer Mechanism; Soma Mukherjee, A. K. Pal, H. Stoeckli-Evans, *Sensors & Actuators* B. 202, 2014, 1190-1199. [*Impact Factor*: 3.840]
- **693.** Hydrazone Based Luminescent Receptors for Fluorescent Sensing of Cu²⁺: Structure and Spectroscopy; Soma Mukherjee, P. Mal, H. Stoeckli-Evans, *Journal of Luminescence*, *155*, 2014,185-190. [*Impact Factor*:2.367]
- **694.** Complexation Behavior of Imidazoline Hydrazones towards Cu²⁺ and Hg²⁺: Structure, Sensing and DNA Binding Studies; Soma Mukherjee, P. Mal, H. Stoeckli-Evans, *Polyhedron*, 73 (2014) 87-97. *Impact Factor*: 2.047]
- **695.** Palladium(II) Complex Induces Apoptosis in A549 Cells through a ROS-Mediated Mitochondrial Pathway; T. Keswani, S. Chowdhury, Soma Mukherjee, A. Bhattacharya, *Current Science* 1(2014) 0000 (ISSN 0011-3891, *Impact Factor*: 0.833]
- **696.** Crystal Structure of 2,2-Diphenylhydrazinium Chloride; A. K. Paul, Soma Mukherjee and H. Stoeckli-Evans, *Acta Cryst.* (2014) E70, 382–384. (ISSN 1600-5368)
- 697. Bioremediation of Chromium and Cadmium using Bacterial Biofilms; Soma Mukherjee, S. Pal, A. K. Paul, S. Betal; Application of Modern Techniques for The Management of

Contemporary Environmental Hazards and Disasters (ISBN 978-81-929776-0-7) (2014) 267-274.

- **698.** Assessment of Efficiency of Aeration Tank Operation in the Effluent Treatment Plant of a Paper and Pulp Industry, Tribeni, West Bengal; Soma Mukherjee, P. Roy, A. K. Paul, S.Talukder; *Application of Modern Techniques for The Management of Contemporary Environmental Hazards and Disasters* (ISBN 978-81-929776-0-7) (2014) 260-266.
- **699.** Environmental Hazards of an Open Cast Mining and Mitigation A Case Study; R. Bhattacharrya, M. Roy, Soma Mukherjee, *Application of Modern Techniques for The Management of Contemporary Environmental Hazards and Disasters* (ISBN 978-81-929776-0-7) (2014) 354-359.
- 700. Water Management at a Chemical Fertilizer Industry in Haldia, West Bengal; Soma Mukherjee, Swati, S. Talukder, S. Chowdhury, Application of Modern Techniques for The Management of Contemporary Environmental Hazards and Disasters (ISBN 978-81-929776-0-7) (2014) 482-490.
- 701. Hazardous Waste Management in a Soft Drink Company in Dankuni, Hoogly: A Case Study; Soma Mukherjee, J. Samanta, P. Mal, S. Betal; Application of Modern Techniques for The Management of Contemporary Environmental Hazards and Disasters (ISBN 978-81-929776-0-7) (2014) 491-497.
- **702.** National Seminar on *Application of Modern Techniques for the Management of Contemporary Environmental Hazards and Disasters,* organized by Haringhata Mahavidyalaya on September 5-6, 2014.
- 703. Ecorestoration and Environmental Management Plan of Open Cast Mining in Sonepur Bazari Area, West Bengal; Soma Mukherjee, S. Nag, S. Chowdhury and P. Mal; National Level Seminar on Interdisciplinary Approaches in Science, Humanities and Culture, University of Kalyani, 28 - 29th May, 2014.
- 704. Fluorescent Sensing and Extraction of Palladium(II) using Hydrazone Ligand; Soma Mukherjee, S. Chowdhury, A. K. Paul, P. Mal and S. Talukder;
- **705.** Functional Diversities of Some Hydrazone based Chromogenic and Luminescent Chemosensors; Soma Mukherjee, S. Chowdhury, A. K. Paul, P. Mal, S. Talukder and S. Betal
- 706. 4th International Conference of World Science Congress held in Jadavpur University during 16-18th December, 2014. *Title*: Fluoride Anion Detection based on Excited State Proton Transfer Mechanism Soma Mukherjee and A. K. Paul –
- **707.** Received Distinguished Young Scientist Award in the 4th International Conference of World Science Congress held in Jadavpur University during 16-18th December, 2014.

DEPARTMENT OF GEOGRAPHY

- **708.** 'Cultural Geography of Patharchapuri: A Divine Destination of Multicultural Tradition, Indian Journal of Regional Science' (ISSN 0046-9071), 2014, 46(1), Joint-1st Author
- **709.** 'India as a Medical Tourism Hub in SAARC a geographical analysis', Indian Journal of Spatial Science (EISSN: 2249-4316), 2014, 5(1), Joint-2nd Author
- 710. 'Folk Tourism in Araku Valley, Andhra Pradesh, Indian' Journal of Landscape Systems & Ecological Studies, 2014, 37 (1), Joint-2nd Author
- 711. Tarun Kumar Mondal and Rakhi Mukherjee: (2014 July): "GENDER RELATIONS AND WORK PARTICIPATION IN RURAL AREAS: A STUDY OF FATEPUR GRAM PACHAYAT IN HARINGHATA C.D. BLOCK OF NADIA DISTRICT, WEST BENGAL, INDIA", Journal of Interacademicia (ISSN: 0971-9016), Kalyani, Nadia, West Bengal, India, Vol.18, No.3, pp.418-425.

- **712.** Tarun Kumar Mondal: 'USE OF TRACTORS AND POWER TILLERS IN AGRICULTURE: A STUDY OF WEST BENGAL, INDIA', Indian Journal of Landscape Systems and Ecological Studies, (ISSN: 0971-4170), Kolkata, West Bengal, India, Vol.37, No.1, June 2014, pp.140-145.
- **713.** Tarun Kumar Mondal: 'MILK PRODUCTION IN INDIA: A SPATIO-TEMPORAL ANALYSIS', Indian Journal of Landscape Systems and Ecological Studies, (ISSN: 0971-4170), Kolkata, West Bengal, India, Vol.37, No.2, December 2014, pp.148-154.
- 714. 'INTEGRATED FARMING SYSTEM AND SUSTAINABILITY OF RURAL LIVELIHOOD: A STUDY OF PATHARPRATIMA BLOCK IN SUNDARBAN DELTA, INDIA'- National Seminar on Sustainability and Inclusiveness: India's Development Trajectory, Organised jointly by the Department of Applied Geography, School of Regional Studies and Earth Sciences, Ravenshaw University, Cuttack-753 003, Odisha, India, 8-9 November 2014.
- **715.** 'POSTMODERNISM AND TRIBAL STUDIES' -Two Days UGC Sponsored National Seminar on Folklore and Tribal Studies in Eastern and Northeast India: Perspective and Present Status, Organised by the Department of Folklore, University of Kalyani, January 15-16, 2015
- **716.** 'SAR DATA IN AGRICULTURAL PLANNING'- International Seminar on Environmental Perspectives and Resource Management, organized by the Institute of Landscape, Ecology and Ekistics, Kolkata, 19-20 December 2014.
- 717. 'MODERN TECHNOLOGICAL INPUTS IN RICE RODUCTIVITY IN INDIA', 36th Congress of the Institute of Indian Geographers (IIG) & International Seminar, organized by the Institute of Indian Geographers & Department of Geography, Gauhati University, Guwahati, Assam, India, 25-28 February, 2015.
- **718.** Sahu, A. S. 2014. Water-front Embankments on Medinipur Coast, West Bengal: A Geoengineering Study. Annals of the National Association of Geographers India, XXXIV (1): 161-172.
- **719.** Sahu, A. S. 2014. Coastal Geosynthetics Protection— an environmental appraisal. Indian Journal of Spatial Science, 5 (2): 55-61. www.h-net.org/.....ID=201577
- 720. Sahu, A. S. 2014. A Geographical Study on Vulnerable Pockets of the Selected Embankments in Purba Medinipur District, West Bengal. Indian Journal of Regional Science, XLVI (1): 10-19.
- 721. Sahu, A. S. 2014. Identification and Mapping of the Water-logged Areas in Purba Medinipur Part of Keleghai River Basin, India: RS and GIS Methods. International Journal of Advanced Geosciences, 2(2): 59-65. doi: 10.14419/ijag.v2i2.2452
- 722. Sahu, A. S. 2014. A Study on Moyna Basin Water-Logged Areas (India) Using Remote Sensing and GIS Methods and Their Contemporary Economic Significance. Geography Journal, 2014: 1-9. <u>http://dx.doi.org/10.1155/2014/401324</u>
- **723.** Abstract 'Morphotectonic Map Generation using Geo-Informatics Technology: A Case Study over the Ajay-Damodar Interfluve, West Bengal, INDIA' in the National Seminar organised by the Foundation of Practising Geographers (FPG), Kolkata, W.B., India, venue Satyendra Nath Bose National Centre for Basic Sciences, Seminar Hall : Fermion, Salt Lake, Kolkata, focal theme Images of Geography, on 06-07 February, 2015
- 724. Abstract 'Quaternary Deformation on Channel Morphology of an Alluvial River: A Case Study in Kunur River Basin, West Bengal, INDIA' in the International Seminar organised by the Institute of Landscape, Ecology and Ekistics (ILEE), Kolkata and Department of Geography, University of Calcutta, Kolkata, W.B., India, venue Department of Geography, University of Calcutta, Kolkata, focal theme Environmental Perspectives and Resource Management, on 19-20 December, 2014

725. Abstract - 'Water-logging: Assessment, Mapping and Significance' in the 27th IGI Conference and International Seminar organised by the Indian Institute of Geomorphologists (IGI) and Department of Geography and Environmental Management and Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, Paschim Medinipur, W.B., India, venue -Digha (A Beach Resort) and Department of Geography and Environmental Management and Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, focal theme -Geomorphology and Geospatial Technology in Environment Management and Societal Development, on 14-17 November, 2014

DEPARTMENT OF MATHEMATICS

- **726.** I. Lahiri and Abhijit Banerjee, A journey from Gross-problem to Fujimoto-condition (Book Chapter), Analytic Number Theory, Approximation Theory and Special Functions (2014), pp. 856 877 (Springer Verlag).
- **727.** Uniqueness of entire functions sharing certain values with derivatives, Current Topics in Pure and Computational Complex Analysis (2014), pp. 89 107(Birkhauser/Springer).
- **728.** I. Lahiri and Rajib Mukherjee, Entire functions sharing certain values with their derivatives, Analysis (Berlin), 34 (2) (2014), pp. 173 185.
- **729.** I. Lahiri and Nintu Mandal, On a result of Q. Han, S. Mori and K. Tohge concerning uniqueness of meromrophic functions, Cubo, A Mathematical Journal, Vol. 16, No. 1 (2014), pp. 49 61.
- **730.** I. Lahiri and Shanpeng Zeng, A normality criterion for meromorphic functions having multiple zeros, Ann. Polon. Math., 110, 3 (2014), pp. 283 294.
- **731.** Nanda Das, Samares Pal, Joydev Chattopadhyay: The role of viral infection on a bacterial ecosystem with nutrient enrichment. Differential Equations and Dynamical Systems 22(2), 147–163, 2014. Springer. ISSN: 0971-3514.
- **732.** Joydeb Bhattacharyya and Samares Pal: Dynamics of a stage-structured system with harvesting and discrete time delays. Systems Science and Control Engineering, 2, 192-215, Taylor & Francis (2014). ISSN: 2164-2583.
- 733. Joydeb Bhattacharyya and Samares Pal: Hysteresis in coral reefs under macroalgal toxicity and overfishing. Journal of Biological Physics, (2014) (In Press) Springer. Impact Factor: 1.864 ISSN: 0092-0606
- **734.** Joydeb Bhattacharyya and Samares Pal: Dynamics of asymmetric intraguild predation with time lags in reproduction and maturation. Cogent Mathematics, (2014) (in Press), Taylor & Francis.
- **735.** Samares Pal and Anal Chatterjee: Plankton nutrient interaction model with harvesting under constant environment. Proceedings of International Symposium on Mathematical and Computational Biology. Fields Institute for Research in Mathematical Sciences, Toronto, Canada, 28-42, doi: 10.1142/9789814602228_002 World Scientific (2014).
- 736. S. K. Datta, T. Biswas and S. Bhattacharyya: On the Estimation of Relative Type Based Growth Properties of Differential Monomials, Int. J. Open Problems Complex Analysis, Vol. 6, No. 3 (2014), pp. 98-110 ; ISSN No: 2074-2827.
- **737.** S. K. Datta, T. Biswas and A. Haque: An Approach to the Relative Type Oriented Growth Analysis of Differential Polynomials, International Journal of Mathematics and its Applications (IJMAA), Vol. 2, No. 4 (2014), pp. 29-38; ISSN No: 2347-1557 (On line).
- **738.** S. K. Datta, T. Biswas and A. Kar: Slowly Changing Function Based Growth Analysis of Wronskians Generated by Meromorphic Functions, Ilirias Journal of Mathematics, Vol. 3, Issue 1 (2014), pp. 14-21; ISSN No: 2334-6574 (On line).

- **739.** S. K. Datta, T. Biswas and A. Haque: Maximum terms, maximum moduli related and slowly changing functions based growth properties of composite entire functions, Int. J. Open Problems Compt. Math., Vol. 7, No. 3 (2014), pp.16-31; ISSN No: 1998-6262.
- 740. S. K. Datta, T. Biswas, C. Ghosh and Xiao-Min Li: Some growth properties of iterated entire functions on the basis of slowly changing functions, Int. J. Open Problems Complex Analysis, Vol. 6, No. 3 (2014), pp. 12-43.; ISSN No:2074-2827.
- 741. S. K. Datta, T. Biswas and D. C. Pramanik : On the Growth Analysis Related to Maximum Term-Based Relative Order of Entire Functions, International J. of Math. Sci. & Engg. Appls. (IJMSEA), Vol. 8 No. V (2014), pp. 231-242; ISSN 0973-9424.
- 742. S. K. Datta, T. Biswas and C. Biswas: Growth Analysis of Composite Entire and Meromorphic Functions in the Light of Their Relative Orders, International Scholarly Research Notices, Volume 2014, Article ID538327, 6 pages; http://dx.doi.org/10.1155/2014/538327; ISSN No. 2356-7872.
- 743. L. M. Sánchez Ruiz, S. K. Datta, T. Biswas and G. K. Mondal: On Some Growth Properties of Entire Functions Using Their Maximum Moduli Focusing (p,q)-th Relative Order, The Scientific World Journal; Volume 2014, Article ID164130, 7 pages; http://dx.doi.org/10.1155/2014/164130; ISSN No. 2356-6140(Print), 1537-744X(On line).
- 744. L. M. S. Ruiz, S. K. Datta, T. Biswas and G. K. Mondal: On the (p,q)-th Relative Order Oriented Growth Properties of Entire Functions, Abstract and Applied Analysis, Vol.2014, Article ID 826137, 8pages, http://dx.doi.org/10.1155/2014/826137; ISSN No: Print: 1085-3375 Online :1687-0409.
- 745. S. K. Datta, T. Biswas and M. Biswas : Some sharper estimations of growth relationships of composite entire functions on the basis of their maximum terms, Palestine Journal of Mathematics Vol. 3, No 1 (2014), pp. 77-93; ISSN No: 2219-5688.
- **746.** S. K. Datta, T. Biswas and A. Haque : Applications of slowly changing functions in the estimations of growth properties of composite entire functions on the basis of their maxumum terms and maximum moduli, International Mathematical Forum, Vol. 9, No 5 (2014), pp. 237-254; ISSN No: 1312-7594.
- 747. S. K. Datta, T. Biswas and S. K. Deb : Growth analysis of functions analytic in the unit polydisc, International Journal of Analysis and Applications, Vol. 5, No 1 (2014), pp. 68-80; ISSN No: 2291-8639.
- **748.** S. K. Datta, T. Biswas and S. Ali : Growth rates of wronskians generated by complex valued functions, Gulf Journal of Mathematics, Vol. 2, Issue 1 (2014), pp. 58-74; ISSN No: 2309-4966.
- 749. S. K. Datta and D. C. Pramanik : Deductions on Slowly Changing Functions Oriented Bounds for the Zeros of Entire Functions, International Journal of Mathematics and its Applications, Vol. 2, No 1 (2014), pp. 21-40; ISSN No: 2347-1557.
- 750. S. K. Datta, T. Biswas and G. K. Mondal: Growth properties of wronskians in the light of relative order, International Journal of Analysis and Applications, Vol. 5, No 1 (2014), pp. 81-90; ISSN No: 2291-8639.
- **751.** S. K. Datta, T. Biswas and S. Bhattacharyya: Growth rates of meromorphic functions focusing relative order, Chinese Journal of Mathematics, Vol.2014, Article ID582082, 7pages, http://dx.doi.org/10.1155/2014/582082; ISSN No: 2314-8071.
- **752.** S. K. Datta and D. C. Pramanik : Some derivations on the bounds for the zeros of entire functions based on slowly changing functions, Italian Journal of Pure and Applied Mathematics, Vol. N. 32 (2014), pp. 41-57; ISSN No: 2239-0227.
- **753.** S. K. Datta, T. Biswas and A. Haque : Estimation of maximum terms and maximum moduli related growth analysis of composite entire functions of single complex variables in the light of

slowly changing functions, J. Assam Acad. Math., Vol. 6 (2014), pp. 41-57; ISSN No: 2229-3884.

- **754.** S. K. Datta, T. Biswas and A. Haque: On some growth properties of differential polynomials in the light of relative order, Italian Journal of Pure and Applied Mathematics, N.32 (2014), pp.235-246; ISSN No: 2239-0227.
- **755.** S. K. Datta, T. Biswas and S. Tamang: Some inequalities involving fuzzy complex numbers, Theory and Applications of Mathematics & Computer Science, Vol. 4, No. 1 (2014), pp. 106-113; ISSN No: 2239-0227.
- **756.** P. Sen and S. K. Datta: A Computational Study on the Viscous Incompressible Laminar Separated Flow in a Unit Square Cavity, British Journal of Mathematics and Computer Science, Vol. 4, No. 23 (2014), pp. 3312-3327 ; ISSN No: 2231-0851.
- **757.** A. K. Ghosh, S. K. Datta and P. Sen: A Note on Hydormagnetic Flow of Oldroyd-B Fluid Near an Infinite Plate Induced by half Rectified Sine Pulses, Open Journal of Fluid Dynamics, Vol. 4, (2014), pp. 226-240. ISSN: 2165-3852 (Print), 2165-3860 (Online).
- **758.** A. Banerjee, S. K. Datta and A. Haque: Inverse Laplace Transform for Bi-Complex Variables, Mathematical Inverse Problems, Vol. 1, No. 1(2014), pp. 8-24; ISSN 2381-9634.
- **759.** S. K. Datta, T. Biswas and C. Biswas: Measure of Growth Ratios of Composite Entire and Meromorphic Functions with a Focus on Relative Order, International J. of Math. Sci. & Engg. Appls. (IJMSEA), Vol. 8 No. IV (2014), pp. 207-218; ISSN 0973-9424.
- 760. S. K. Datta, T. Biswas and C. Biswas: On Iterated Entire Functions with (p,q)th Order, Journal of Mathematics, Volume 2014, Article ID 908798, 18 pages, http://dx.doi.org/10.1155/2014/908798; ISSN No. 2314-4629 (Print), 2314-4785 (Online), DOI: 10.1155/1469.
- 761. S. K. Datta, T. Biswas and P. Sen: Measure of Growth Properties of Functions Analytic in Unit Disc, International J. of Math. Sci. & Engg. Appls. (IJMSEA), Vol. 8 No. IV (2014), pp. 147-216; ISSN 0973-9424.
- 762. S. K. Datta, T. Biswas and S. Bhattacharyya: Growth Analysis of Composite Entire Functions Related to Slowly Changing Functions Oriented Relative Order and Relative Type, Journal of Complex Volume 2014, Article ID 503719, 8 pages, http://dx.doi.org/10.1155/2014/503719; ISSN: 2314-4963 (Print) ISSN: 2314 -4971 (Online).
- 763. S. K. Datta, T. Biswas and P. Sen: Analytic Functions and Some of their Growth Properties in Unit Disc, International J. of Math. Sci. & Engg. Appls. (IJMSEA), Vol. 8 No. IV (2014), pp. 271-280; ISSN 0973-9424.
- **764.** S. K. Datta, T. Biswas and S. Bhattacharyya: On Relative Order and Relative Type Based Growth Properties of Differential Monomials, Journal of the Indian Math. Soc., Accepted for publication and to appear; ISSN No: 0019-5839.
- 765. S. K. Datta, T. Biswas and C. Biswas: Generalized Relative Lower Order of Entire Functions, MATEMATIQKI VESNIK, Accepted for publication and to appear; ISSN No: ISSN 0025-5165 (Print) · ISSN 2406-0682 (Online).
- 766. S. K. Datta, T. Biswas and S. Bhattacharyya: Growth Estimates of Composite Entire Functions in the Light of Slowly Changing Functions Based Relative Order, Relative Type and Relative Weak Type, Fasciculi Mathematici, Accepted for publication and to appear ; ISSN No: 0044-4413.
- 767. S. K. Datta, T. Biswas and G. K. Mondal: A Note on the Relative Order of Entire Functions of Two Complex Variables, International Journal of Pure and Applied Mathematics (IJPAM), Accepted for publication and to appear; ISSN No: 1311-8080

- **769.** S. K. Datta, T. Biswas and C. Biswas: Relative Type and Relative Weak Type Oriented Growth Analysis of Composite Entire and Meromorphic Functions, General Mathematics Notes (GMN), Accepted for publication and to appear; ISSN No: 2219-7184.
- **770.** S. K. Datta, T. Biswas and A. Haque: A Direction to the Results on Relative Order Based Growth Properties of Differential Polynomials, Annal. Univ. Oradea, Fasc. Math. Accepted for publication and to appear in Vol. 22, Issue No. 2 (2015); ISSN No: 1221-1265.
- **771.** S. K. Datta, T. Biswas and P. Sen: Some Inequalities on Relative Type and Relative Weak Type of Entire Functions, Mathematica Aeterna, Accepted for publication and to appear; ISSN No: 1314- 3344.
- **772.** S. K. Datta, T. Biswas and P. Sen: Some Extensions of Sum and Product Theorems on Relative order and Relative Lower Order of Entire Functions, Mathematica Aeterna, Accepted for publication and to appear; ISSN No: 1314- 3344.
- **773.** S. K. Datta, T. Biswas and S. Bhattacharyya: An Approach to the Relative Order Based Growth Properties of Differential Monomials, Italian Journal of Pure and Applied Mathematics, Accepted for publication and to appear; ISSN No: 2239-0227.
- 774. S. K. Datta, T. Biswas and D. C. Pramanik : Some Investigations on Relative Order of Entire Functions, Int. J. Open Problems Complex Analysis, Accepted for publication and to appear ; ISSN No:2074-2827.
- 775. S. K. Datta, T. Biswas and S. Bhattacharyya: On Slowly Changing Functions Based Growth Analysis of Entire Functions in Terms of Their Relative Orders, Mathematica Aeterna, Accepted for publication and to appear; ISSN No: 1314-3344.
- 776. S. K. Datta, T. Biswas and P. Sen: Growth of Entire Functions from the View Point of Relative L*- Order, J. Adv. Res. Appl. Math., Accepted for publication and to appear; ISSN No: 1942-9649.
- 777. J. Choi, S. K. Datta, T. Biswas and P. Sen: On the Sum and Product Theorems of Relative Type and Relative Weak Type of Entire Functions, Honam Mathematical Journal, Accepted for publication and to appear; ISSN No: 1225-293X(Print), 2288-6176(Online).
- **778.** S. K. Datta, T. Biswas and A. Haque: Some Inclination to Relative Weak Type Oriented Growth Estimates of Differential Polynomials, Ganita, Accepted for publication and to appear; ISSN No: 0046-5402.
- **779.** S. K. Datta, T. Biswas and C. Ghosh: On Relative (p,q)-th Order Based Growth Measure of Entire Functions, FILOMAT, Accepted for publication and to appear; ISSN No: 0354-5180 (Print), 2406-0933 (Online).
- **780.** S. K. Datta, T. Biswas and A. Kar: Slowly Changing Function Based Growth Analysis of Wronskians Generated by Meromorphic Functions, Aligarh Bull. Math., Accepted for publication and to appear in Vol. 33 (2014).
- **781.** S. K. Datta and G. K. Mondal: A Note on Entire Functions of Several Complex Variables and their Exponent of Convergence, Proceedings of the 8th International Conference of IMBIC (Institute for Mathematics, Bio informatics, Information Technology and Computer Science) on Mathematical Sciences for Advancement of Science and Technology, MSAST, 2014, held at Salt Lake, Kolkata during December 21-23, 2014, Vol. 3 (2014), pp. 60-63.
- **782.** S. K. Datta: Effect of Relative Order and Relative Type on the Comparative Growth Analysis of Entire Functions, Abstracts of 80th Annual Conference of the Indian Mathematical Society during December 27-30, 2014 held at The Department of Applied Mathematics, Indian School of Mines, Dhanbad, Jharkhan.

- **783.** S. K. Datta, T. Biswas and C. Ghosh: (p,q)- th Order Based Growth Analysis of Composite Entire Functions, Abstracts of 80th Annual Conference of the Indian Mathematical Society during December 27-30, 2014 held at The Department of Applied Mathematics, Indian School of Mines, Dhanbad, Jharkhan.
- **784.** S. K. Datta, T. Biswas and G. K. Mondal: On Relative Order Oriented Results of Entire Functions of Two Complex Variables, Abstracts of 80th Annual Conference of the Indian Mathematical Society during December 27-30, 2014 held at The Department of Applied Mathematics, Indian School of Mines, Dhanbad, Jharkhan.
- **785.** A. Banerjee, S. K. Datta and Md. A. Haque: Furier Transform and its Inverse for Functions of Bi Complex variables, Abstracts of 80th Annual Conference of the Indian Mathematical Society during December 27-30, 2014 held at The Department of Applied Mathematics, Indian School of Mines, Dhanbad, Jharkhan.
- **786.** A. K. Ghosh, S. K. Datta, P. Sen: On Hydromagnetic Flow of an Oldroyd B Fluid between two Oscillating Plate, Abstracts of 80th Annual Conference of the Indian Mathematical Society during December 27-30, 2014 held at The Department of Applied Mathematics, Indian School of Mines, Dhanbad, Jharkhan.
- 787. S. K. Datta, T. Biswas and A. Haque: Relative Order Oriented Growth properties of Differential Polynomials, Abstracts of International Conference on Current Developments in Mathematics and Mathematical Sciences (ICCDMMS)- 2014 during December 19-21, 2014 held at Calcutta Mathematical Society, Salt Lake, Kolkata.
- **788.** Additive and Multiplicative structures in C*-sets, Integers, #A26
- 789. Italian Journal Of Pure And Applied Mathematics, Vol. 32, pp. 15-32, 2014. (with P. Bhattacharjee) [ISSN: 1126-8042].
- **790.** Istanbul University Science Faculty Journal of Mathematics, Physics and Astronomy, Vol. 5, pp. 17-34, 2014 (with M. B. Ahamed) [ISSN: 1300-0713].
- **791.** Mathematical Reports, Vol. 16, No.1, pp. 95-111, 2014 (with S. Majumder) [ISSN: 1582-3067].
- **792.** Analysis (Munich) (Oldenbourg Verlag), Vol. 34, No. 2, pp. 143-162, 2014 (with S. Majumder) [ISSN 0174-4747].
- 793. Analele Universitatii Din Oradea Fascicola Matematica, Vol. 21, No.2, pp. 91-101, 2014. (with S. Majumder) [ISSN: 1221-1265].
- **794.** Matematychni Studii, Vol. 41, No. 2, pp. 168-178, 2014. (with S. Mallick) [ISSN: 1027-4634].
- 795. Gulf Journal of Mathematics, Vol. 2, No. 3, pp. 46-58, 2014 [ISSN: 2309-4966].
- 796. Konuralp Journal of Mathematics, Vol. 2, No. 2, pp. 42-52, 2014 [ISSN: 2147-625X].
- **797.** Arabian J. Of Mathematics, (with S. Majumder) DOI: 10.1007/s40065-014-0113-6; ISSN 2193-5341(Online).
- **798.** Afrika Mathematica (with B. Chakborty) DOI: 10.1007/s13370-014-0305-4; ISSN : 1012-9405 (Online)
- 799. A. Biswas& D. Majumder (2014): Genetic Algorithm based Hybrid Fuzzy System for Assessing Morningness, Advances in Fuzzy Systems, Vol. 2014, pp. 1 - 9, HindwaiISSN: 1687-7101
- 800. A. Biswas, D. Majumdar, P. Halder, Lorenzo Tonetti, VincezoNatale, Ana Adan, ChirtophRandler and S. Sahu (2014): Exploration of transcultural properties of the reduced version of the Morningness-Eveningness Questionnaire (rMEQ) using adaptive neuro fuzzy inference system, Biological Rhythm Research, Vol. 45(6), pp. 955 – 968, Taylor and FrancisISSN: 0929-1016 (Print), 1744-4179 (Online)ISI Thomson Impact Factor: 1.216

- 802. A. Biswas& A. K. De (2015): An efficient technique for solving fully fuzzifiedmultiobjective stochastic programming problems, *Advances in Intelligence Systems and Soft Computing*, Vol. 335, pp. 543 557, Springer Verlag, ISSN: 1867-5662
- **803.** S. K. Datta, T. Biswas and S. Tamang: Some inequalities involving fuzzy complex numbers, Theory and Applications of Mathematics & Computer Science, Vol. 4, No. 1 (2014), pp. 106-113; (ISSN No: 2239-0227)
- **804.** Weighted sharing and uniqueness of meromorphic functions with regard to multiplicity, Tamkang Journal of Mathematics, Biswajit Saha, Vol. 45, No.2 (2014). Pp. 165-177, 2073-9826
- **805.** Uniqueness of meromorphic functions and nonlinear differential polynomials sharing a nonzero polynomial, Math Slovaca, Sajahan Seikh, 0139-9918
- **806.** Certain nonlinear differential polynomials sharing a nonzero polynomial with finite weight, Kyungpook Math. Journal, Abhijit Banerjee, 0454-8124
- **807.** Uniqueness of meromorphic functions whose certain differential polynomials share a small function, Acta Math. Vietnamica, Biswajit Saha, 2315-4144
- **808.** Generalized Sasakian space forms with conharmonic curvature tensor, Palestine Journal of Mathematics, 4(2015), 84-90, 2219-5688, Mathematical Reviews(MR 3265515)
- **809.** Generalized Sasakian space form with projective curvature tensor, Demonstratio Mathematica, 47(2014), 726-738, 0420-1213, Mathematical Reviews(MR3259063)
- **810.** Some curvature properties of trans-Sasakian manifolds, Lobachevskii Journal of Mathematics, 35(2014),56-64, 1995-0802, Mathematical Reviews(MR 3229252)
- **811.** A study on Legendre curves in three-dimensional trans-Sasakian manifolds, Lobachevskii J. Math, 35(2014), 11-18, 1995-0802, Mathematical Reviews (MR3182601)
- **812.** Multi-Objective Inventory Model for Deteriorating Itemswith Shortages: A Fuzzy Programming ApproachInternational Journal: Mathematical Manuscripts.ISSN 0974-2883 Volume 7, Number 1 (2014), pp. 15-24
- 813. Mallick, I, Sk T. Hossain, S. Sinha and S.K. Mukherjee. 2014. Use of indigenous bacteria from arsenic contaminated soil for arsenic bioremediation. *In* N.J. Raju, W. Gossel and M. Sudhakar eds. 'Management of Natural Resources in the changing Environment', Springer, Cham, Switzerland, and Capital Publishing Co., New Delhi, pp. 150-161. (ISBN 978-93-81891-13-1).
- **814.** Mallick, I., E. Islam and S.K. Mukherjee. 2015. Fundamentals and application potential of arsenic resistant bacteria for bioremediation in rhizosphere: a review. Soil Sediment Contam. doi:10.1080/15320383.2015.1010072 (in press) (ISSN: 1532-0383). IF 0.58
- **815.** Mallick, I., Sk.T. Hossain, S. Sinha and S.K. Mukherjee. 2014. *Brevibacillus* sp. KUMAs2, a bacterial isolate for possible bioremediation of arsenic in rhizosphere. Ecotoxicol. Environ. Saf. 107: 236-244. (ISSN 0147-6513) IF 2.5
- **816.** Das, P., S. Sinha and S.K. Mukherjee. 2014. Nickel bioremediation potential of *Bacillus thuringiensis* KUNi1 and some environmental factors in nickel removal. Bioremed. J. 18: 169–177. (ISSN: 1088-9868) IF 0.72
- 817. Das P. and Mukherjee SK (2014). "Isolation, Characterization, Intracellular Accumulation and Compartmentalization of Nickel in a Nickel Resistant Bacterial Isolate *Bacillus thuringiensis* KUNi1". National Seminar on 'New Horizons in Microbiology : Prospects and Challenges' . Department of Microbiology, Ramakrishna Mission Vidyamandira, Belur & CSIR-IICB. 20th & 21st November, 2014.

- **818.** Paul A, Parai D and Mukherjee SK (2015). "*Enterobacter asburiae* KUNi5, a Nickel-resistant isolate as the possible nickel bioremediation bacterial candidate", Presented at the 2nd International Conference on *Frontiers in Biological Sciences*. NIT, Rourkela, Odisha. 22-24th January, 2015.
- **819.** Chakraborty A, Mukherjee SK and Islam E (2015). Recovery of Cu from industrial waste using municipal waste grown bacteria as biosorbent. Presented at the 2nd International Conference on *Frontiers in Biological Sciences*. NIT, Rourkela, Odisha. 22-24th January, 2015.

DEPARTMENT OF MICROBIOLOGY

- **820.** Mallick I, Islam E and Mukherjee SK (2015). Arsenic bioremediation potential of *Brevibacillus* sp. KUMAs1 and its possible exploitation for sustainable agriculture. Presented at the 2nd International Conference on *Frontiers in Biological Sciences*. NIT, Rourkela, Odisha. 22-24th January, 2015.
- **821.** Mallick I and Mukherjee SK (2014). "Biogeochemistry of arsenic transformation by microbe in the soil rhizosphere system and its possible application for sustainable agriculture", Presented at the International Seminar on *Expectation to Microbial Bioremediation: Potential of Microorganisms to Solve Environmental Issues in Soil and Water in Asia and Africa.* Graduate School of Bioagricultural Sciences and International Cooperation Center for Agricultural Education, Nagoya University, Nogoya, Japan. 4-6.11.2014
- 822. Mukherjee SK (2014). "Approach toward bioremediation of toxic metals in crop fields", Presented at the International Seminar on *Expectation to Microbial Bioremediation: Potential* of Microorganisms to Solve Environmental Issues in Soil and Water in Asia and Africa. Graduate School of Bioagricultural Sciences and International Cooperation Center for Agricultural Education, Nagoya University, Nogoya, Japan. 4-6.11.2014
- **823.** Paul T and Mukherjee SK (2014). "Remediation of environmental heavy metal pollution through microbe assisted intervention: mechanisms and applications", Presented at the International Seminar on *Expectation to Microbial Bioremediation: Potential of Microorganisms to Solve Environmental Issues in Soil and Water in Asia and Africa.* Graduate School of Bioagricultural Sciences and International Cooperation Center for Agricultural Education, Nagoya University, Nogoya, Japan. 4-6.11.2014
- **824.** Chakraborty A, Alam N, Parai D, Mukherjee SK and Islam E (2014). "Arsenic could enhance the plant growth promoting traits of bacteria", Presented at the *International Meet on Advanced Studies on Cell Signalling Network*. IICB, Kolkata. 13-15.12.2014
- **825.** Mukherjee SK. "Cadmium-microbe interaction: toxicological impact and its bioremediation", at NARO Kyushu Okinawa Agricultural Research Center (NARO/KARC), Kumamoto, Japan, 10th November, 2014
- **826.** Nilanjan Maitra, Sanjib Kumar Manna, Srikanta Samanta, Keka Sarkar, Debashri Debnath, Chinmay Bandopadhyay, Sanjeev Kumar Sahu, Anil Prakash Sharma. 2014.Ecological significance and phosphorus release potential of phosphate solubilizing bacteria in freshwater ecosystems Hydrobiologia DOI 10.1007/s10750-014-2094-z. IF : 2.2 ISSN:1573-5117
- 827. Mallick, I., E. Islam and S.K. Mukherjee. 2015. Fundamentals and application potential of arsenic resistant bacteria for bioremediation in rhizosphere: a review. Soil Sediment Contam. doi:10.1080/15320383.2015.1010072 (in press) (ISSN: 1532-0383). IF 0.58
- **828.** Islam, E., Paul, D. Sar, P., 2014. Microbial Diversity in Uranium Deposits from Jaduguda and Bagjata Uranium Mines, India as revealed by clone library and Denaturing Gradient Gel Electrophoresis analyses. Geomicrobiol. J. 31, 862–874. ISSN 0149-0451, IF 1.6

- **829.** Chakraborty, A., Islam, E., 2013. The culturable bacterium isolated from copper mine soil useful in biometallurgical procedure. Frontiers in Modern Biology-2013, November, 9–10, IISER, Kolkata.
- **830.** Chakraborty, A., Mukherjee, SK., Islam, E., 2015. Recovery of Cu from industrial waste using municipal waste grown bacteria as biosorbent. International Conference on Frontiers in Biological Sciences" InCoFIBS- 2015, January 22-24, National Institute of Technology, Rourkela, India.
- **831.** Mallick, I., Islam, E., Mukherjee, SK., 2015. Arsenic bioremediation potential of *Brevibacillus* sp. KUMAs1 and its possible exploitation for sustainable agriculture. International Conference on Frontiers in Biological Sciences" InCoFIBS-2015, January 22-24, National Institute of Technology, Rourkela, India.
- **832.** Chakraborty, A., Alam, N., Parai, D., Mukherjee, SK., Islam, E., 2014. arsenic could enhance the plant growth promoting traits of bacteria. 2nd International Meet on Advanced Studies on Cell signalling network (CeSin-2014), December 13-15, CSIR-Indian Institute of Chemical Biology, Kolkata, India.

DEPARTMENT OF MOLECULAR BIOLOGY & BIOTECHNOLOGY

- 833. Bhattacharya, C., A. Dam, J. Karmakar and T. K. Bandyopadhyay. 2015. Efficient organogenesis from the induced meristemoid of Anthurium andraeanum Linden cv. Tinora. Plant Science Today 2(2): 82-86. doi: 10.14719/pst.2015.2.2.110. ISSN: 2348-1900.
- 834. Ghosh U, Bose S, Ghosh T, Bandyopadhyay TK, Basu U. 2015. A monophasic solution for isolation of RNA devoid of PCR-detectable genomic DNA Contamination. *Analytical Biochemistry* 477: 50–52 (ISSN: 0003-2697) 2.749. doi: 10.1016/j.ab.2015.02.018.
- **835.** Adhikari S, Saha S, Bandyopadhyay TK, Ghosh P. 2015 Efficiency of ISSR marker for characterization of Cymbopogon germplasms and their suitability in molecular barcoding. Plant Systematics and Evolution 301 (1), 439-450. ISSN: 0378-2697; Impact factor: 1.154
- **836.** Adhikari S, Bandyopadhyay TK, Biswas, A. and Ghosh PD. 2014. A preliminary report on the genetic variation in pointed gourd (Trichosanthes dioica Roxb.) as assessed by random amplified polymorphic DNA. Acta Biologica Hungarica. 65(2): 156-164. 0236-5383 (Print) 1588-256X (Online). Impact Factor 0.504/ ISSN: 0236-5383.
- **837.** Adhikari S, Bandyopadhyay TK, Saha S. and Ghosh PD .2014. Efficiency of ISSR marker for characterization of Cymbopogon germplasms and their suitability in molecular barcoding. Plant Syst Evol. Published on line 10 June 2014. DOI 10.1007/s00606-014-1084-y. ISSN: 0378-2697 (print version) ISSN: 1615-6110 (electronic version). Impact factor 1.312.
- **838.** Adhikari S, Bandyopadhyay TK, Ghosh PD .2014 Assessment of genetic stability of Cucumis sativus L. regenerated from encapsulated shoot tips. Scientia Horticulturae 170: 115–122, ISSN: 0304-4238, impact factor 1.730.
- **839.** Karmakar J, Bose S, Fulzele D. P., Bandyopadhyay T. K. In vitro propagation of *Limonium sinuatum* A florist Plant. 2015. In: The Proceedings of Abstracts on National Seminar on Contemporary Progress in Plant Scienc held on 20-21 March, 2015.,Organized by department of Botany, University of Burdwan.
- **840.** Karmakar, J., Bose, S., Fulzele, D. P. and Bandyopadhyay, T. K. 2015. Irradiation of synthetic seeds- A novel technique on in vitro induced physical mutagenesis of *Limonium sinensis*. In: The Proceedings of Abstracts on National Seminar on Biotechnology in Sustainable Development held on 13-14 March, 2015. Organized by Department of Biotechnology, University of Burdwan.
- 841. Konar S, Karmakar J, Bose S and Bandyopadhyay T K *In vitro* culture of *Dendrobium*: an alternate strategy for *ex situ* conservation.2015. In The Proceedings of Abstracts on

Environmental Impact on Biodiversity and Plant Development held on 19 -20 February, 2015, organized by **Department of Biological Sciences**, **Presidency University**

- **842.** Konar, S., Karmakar, J., Dam. A., Ghosh, T. and Bandyopadhyay, TK. 2014. Ecofriendly synthesis of silver nanoparticles using leaf extract of *Melaleuca bracteata* and its antibacterial activity against clinically isolated pathogens. In The Proceedings of Abstracts on 7th Bangalore India Nano held on 5-6 December, 2014, organized by JNCASR, Bangalore.
- **843.** Karmakar J, Paul S, Bandyopadhyay M. Bandyopadhyay T K.2014. Somatic Embryogenesis from Leaf Explant of the medicinal tree *Murraya koenigii*. In The Proceedings of Abstracts on the 1st National Conference on Advancing Biology through Technology and Computation held on 22nd August, 2014, organized by Department of Microbiology, WBSU and Kingston College of Science, Barasat.
- 844. Ghosh U, Bose S, Ghosh T, Bandyopadhyay TK, Basu U. 2015. A monophasic solution for isolation of RNA devoid of PCR-detectable genomic DNA Contamination. *Analytical Biochemistry* 477: 50–52 (ISSN: 0003-2697) 2.749. doi: 10.1016/j.ab.2015.02.018.

DEPARTMENT OF PHYSICS

- **845.** Planet Jupiter and its Galilean Satellites by A. B. Bhattachary and B. Raha, Published by LAP Lambert, Germany, 2014, ISBN No. 978-3-659-61060-8
- 846. Fuzzy Expert Systems for Disease Diagnosis Edited by A.V. Senthil Kumar, Implementation of Fuzzy Technology in Complicated Medical Diagnostic and Further Decision, Chapter 04, by A. B. Bhattacharya and Arkajit Bhattacharya, *International Publisher of Progressive Academic Research*, 701 E Chocolate Ave, Hershey, PA 17033, USA, ISBN13: 9781466672406.
- 847. Mysteries Role of Elementary Particles as Fascinating Building Blocks of Matter by A. B. Bhattacharya and B. Raha, pp. 26-41, *Selected Paper on Nonlinear Dynamics and its Application*, Published by Book Center, Auroma Market, Santiniketan, West Bengal. ISBN: 978-81-9216 12-6-6, 2014.
- **848.** On Some Dominant Features of Jovian Magnetosphere: A Survey by A. B. Bhattacharya and B. Raha, pp. 107-121, *Selected Paper on Nonlinear Dynamics and its Application*, Published by Book Center, Auroma Market, Santiniketan, West Bengal. ISBN: 978-81-9216 12-6-6, 2014.
- **849.** Reception of Radio Signals for Interstellar Studies by A. B. Bhattacharya and A. Sarkar, pp. 122-134, *Selected Paper on Nonlinear Dynamics and its Application*, Published by Book Center, Auroma Market, Santiniketan, West Bengal. ISBN: 978-81-9216 12-6-6.
- **850.** Studies on the Tropical Sferics Behavior at 40 kHz During atmospheric Perturbations by A. B. Bhattacharya and J. Pandit, pp. 169-174, *Selected Paper on Nonlinear Dynamics and its Application*, Published by Book Center, Auroma Market, Santiniketan, West Bengal. ISBN: 978-81-9216 12-6-6, 2014.
- **851.** Solar Radiation Researches in the Tropics by R. Bhattacharya, G. Biswas, S. Pal and A. B. Bhattacharya, pp. 175-192, *Selected Paper on Nonlinear Dynamics and its Application*, Published by Book Center, Auroma Market, Santiniketan, West Bengal. ISBN: 978-81-9216 12-6-6, 2014.
- 852. Intense Radio Emissions from Solar Bursts and the Associated Activities of the Various Events Developed by A. B. Bhattacharya, S. Sarkar, Chaitaki Das, S. Bhoumick, T. Ghosh and S. Ghosh, pp. 229-239, *Selected Paper on Nonlinear Dynamics and its Application*, Published by Book Center, Auroma Market, Santiniketan, West Bengal. ISBN: 978-81-9216 12-6-6, 2014.
- **853.** Behavioral Changes of Geomagnetic Indices during the Rising Phase of Solar Cycles 24 in comparison to three Preceding Cycles by A. B. Bhattacharya and D. Halder, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 33-36, 2014.

- **854.** Communication with Extraterrestrial Intelligence through Radio signals and messages by A. B. Bhattacharya and A. Sarkar, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 63-66, 2014.
- **855.** Importance of Structural Property and Wavelet Analysis for detecting Radio Solar Bursts by S. Mondal and A. B. Bhattacharya, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 60-62, 2014.
- **856.** Photometric Follow-up of Sun grazing "Dream Comet" ISON and its Impact on Earth and Jovian Magnetosphere by A. B. Bhattacharya and B. Raha, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 37-39, 2014.
- **857.** Seasonal Variation of Spread-F Occurrence Probability at Low Latitude and its Relation with Sunspot Number by A. B. Bhattacharya and J. Pandit, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 40-42, 2014.
- **858.** Sunspot Activity over the Indian Rainfall Pattern by D. K. Tripathi and A. B. Bhattacharya, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 43-45, 2014.
- **859.** Characteristics of Tropical Cyclonic Storm Phailin as Derived From Satellite and Atmospherics Observations by R. Bhattacharya, R. Guha, J. Pandit and A. B. Bhattacharya, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 56-59, 2014.
- **860.** Wisdom of a Planetary Exploration Mission: Is it a Really Esoteric Science Over Basic Needs? by A. B. Bhattacharya, *International Journal on Electronics & Communication Technology*, 5, Spl Issue-2, 16, 2014.
- **861.** A Comparison of Four Solar Planetary Systems from Models consideration and reported data of visible clouds, metals and hydrogen compounds by A. B. Bhattacharya, S. Mondal, and B. Raha, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 54-58, 2014.
- 862. A Statistical Analysis of Rain Rate and Rain Attenuation for Selected Stations in India by A. B. Bhattacharya, Shalini Sarkar and A. Nag, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 340-343, 2014.
- **863.** Challenging works on radio signal reception from solar and extrasolar planets by A. B. Bhattacharya, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 2014.
- **864.** Degradation in Jovian Signal Strength and Link Quality during Meteor Showers by A. B. Bhattacharya and B. Raha, *International Journal of Innovative Research in Science*, *Engineering and Technology*, 3, Spl Issue-2, 26-31, 2014.
- **865.** Energy transfer between lower and upper atmosphere as derived from bidirectional discharges from thunderclouds and transient luminous events by A. B. Bhattacharya and Shalini Sarkar, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 258-262, 2014.
- 866. Geminid Meteor Activity of 2013 and associated ionospheric variations by A. B. Bhattacharya, J. Pandit, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 49-53, 2014,.
- **867.** Radio Emissions from M and X-class Solar Flares Received as Dynamic Spectra in 50 to 300 MHz Frequency Band by A. B. Bhattacharya and D. Halder, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 21-25, 2014.
- **868.** Uncertainties in Precise Radio Signal Reception from other Planetary System by S. Mondal and A. B. Bhattacharya, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 37-42, 2014.

- **869.** Variations of Signal Strength during Solar Radio Bursts: A Probable Association with Coronal and Surface Effects on the Sun by A. B. Bhattacharya and A. Sarkar, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 43-48, 2014.
- 870. A Relook on the Rayleigh Scattering of Light from the Sunset observations Viewing from Brahmaputra River by A. B. Bhattacharya, J. Pandit, B. Raha, D. Halder, R. Bhattacharya, G. Biswas, R. Roy and A. Nag, *International Journal of Innovative Research in Science*, *Engineering and Technology*, 3, Spl Issue-2, 450-455, 2014.
- **871.** Solar Fingerprint in the Geomagnetic Storms by D. K. Tripathi and A. B. Bhattacharya, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 292-295, 2014.
- 872. Analysis of Radiation Pattern of a Log Periodic Dipole Antenna in VHF Frequency by A. B. Bhattacharya, K. Roy, A. Nag, K. Acharjee, K. Chatterjee, S. Banerjee, R. Ram, *International Journal of Innovative Research in Science, Engineering and Technology*, 3, Spl Issue-2, 253-257, 2014.
- **873.** Fast Parallel Algorithm for Discrete Fourier Transform in Multi-Mesh Network by S. De, A. Datta, A. B. Bhattacharya and M De, *Parallel and Distributed Computing and Networks*, (DOI: 10.2316/Journal.211.2014.4.211-1012), 2014.
- 874. Formation and Behavior of the Solar Events Originated in Solar Bursts during the Solar Cycle Maximum Activity by A. B. Bhattacharya, T. Das and B. Raha, *International Journal of Electronics Communication and Computer Engineering*, 5, 826-830, 2014.
- 875. Rare Super Cyclone Phailin in the Indian Ocean: Analysis of VIIRS high-resolution IR images and 40 kHz Sferics Data by A. B. Bhattacharya, J. Pandit and R. Bhattacharya, *Earth, Moon and Planets*, 112, 1-10, 2014.
- **876.** Cloud Electrification And Lightning Processes: A Comparative Study Of Solar Planetary System by A. B. Bhattacharya, S. Mondal and B. Raha, *International Journal of Electronics, Electrical and Computational System*, 3, 64-74, 2014.
- **877.** "Hot Jupiters": The Most Astounding Planets in the Galaxy by A. B. Bhattacharya and B. Raha, *Science and Culture*, 80, 309-313, 2014.
- **878.** Planetary Formation and Migration of Hot Jupiters: Possibility of Harboring Earth-Like Planets by A. B. Bhattacharya, S. Mondal and B. Raha, *International Journal of Research in Sciences*, 2, 16-27, 2014.
- **879.** Features of Jupiter's Satellites with their Cartographic Coordinates and Clusterring by A. B. Bhattacharya and B. Raha, *Journal of Physics and Astronomy*, 3, 2014.
- **880.** Intensity ratios as derived from the luminosity of the setting sun: a comparison through photometry principle and Rayleigh theory by A. B. Bhattacharya, J. Pandit, B. Raha, D. Halder, R. Bhattacharya, G. Biswas, R. Roy and A. Nag, *Journal of Physics and Astronomy*, 3, 2014.
- **881.** Formation of Cyclone and Anticyclone in Jupiter: A Battle of Great Red Spot and Red Storm by A. B. Bhattacharya and B. Raha, *Journal of Physics and Astronomy*, 3, 2014.
- **882.** A possible mechanism for solar wind forcing of tropospheric-ionospheric coupling driven by global thunderstorm activity by A. B. Bhattacharya, T. Das and B. Raha, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014)*, January 10-11, 2014.
- **883.** Behavioural Changes of Geomagnetic Indices during the Rising Phase of Solar Cycles 24 in comparison to three Preceding Cycles by A. B. Bhattacharya and D. Halder, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014),* January 10-11, 2014.

- **884.** Communication with Extraterrestrial Intelligence through Radio signals and messages by A. B. Bhattacharya and A. Sarkar, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014), January 10-11, 2014.*
- **885.** Importance of Structural Property and Wavelet Analysis for detecting Radio Solar Bursts by S. Mondal and A. B. Bhattacharya, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014)*, January 10-11, 2014.
- **886.** Photometric Follow-up of Sun grazing "Dream Comet" ISON and its Impact on Earth and Jovian Magnetosphere by A. B. Bhattacharya and B. Raha, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014), January* 10-11, 2014.
- **887.** Seasonal Variation of Spread-F Occurrence Probability at Low Latitude and its Relation with Sunspot Number by A. B. Bhattacharya and J. Pandit, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014), January* 10-11, 2014.
- **888.** Sunspot Activity over the Indian Rainfall Pattern by D. K. Tripathi and A. B. Bhattacharya, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014), January 10-11, 2014.*
- 889. Characteristics of Tropical Cyclonic Storm Phailin as Derived From Satellite and Atmospherics Observations by R. Bhattacharya, R. Guha, J. Pandit and A. B. Bhattacharya, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014)*, January 10-11, 2014.
- **890.** Wisdom of a Planetary Exploration Mission: Is it a Really Esoteric Science Over Basic Needs? by A. B. Bhattacharya, *Fourth National Conference on Frontiers in Instrumentation, Control, Computer and Communications (Ic3–2014)*, January 10-11, 2014.
- **891.** A Comparison of Four Solar Planetary Systems from Models consideration and reported data of visible clouds, metals and hydrogen compounds by A. B. Bhattacharya, S. Mondal and B. Raha, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- 892. A Statistical Analysis of Rain Rate and Rain Attenuation for Selected Stations in India by A.
 B. Bhattacharya, Shalini Sarkar and A. Nag, National Conference on Emerging Technology and Applied Sciences (NCETAS-2014), February 15-16, 2014.
- **893.** Challenging works on radio signal reception from solar and extrasolar planets by A. B. Bhattacharya, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- **894.** Comparison between measurements and models of tropical rain intensity and attenuation as experienced over India with non-tropical, equator and meridian countries by A. B. Bhattacharya and Shalini Sarkar, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- **895.** Degradation in Jovian Signal Strength and Link Quality during Meteor Showers by A. B. Bhattacharya and B. Raha, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- **896.** Energy transfer between lower and upper atmosphere as derived from bidirectional discharges from thunderclouds and transient luminous events by A. B. Bhattacharya and Shalini Sarkar, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- 897. Geminid Meteor Activity of 2013 and associated ionospheric variations by A. B. Bhattacharya, J. Pandit, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.

- **898.** Radio Emissions from M and X-class Solar Flares Received as Dynamic Spectra in 50 to 300 MHz Frequency Band by A. B. Bhattacharya and D. Halder, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- **899.** Uncertainties in Precise Radio Signal Reception from other Planetary System by S. Mondal and A. B. Bhattacharya, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- **900.** Variations of Signal Strength during Solar Radio Bursts: A Probable Association with Coronal and Surface Effects on the Sun by A. B. Bhattacharya and A. Sarkar, *National Conference on Emerging Technology and Applied Sciences (NCETAS-2014)*, February 15-16, 2014.
- 901. Astronomical Forensics for Habitable zone in Solar and Extra Solar Planetary Systems by A. B. Bhattacharya, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, November 01-03, 2014, pp. 15-17, Darjeeling Govt. College, Darjeeling.
- **902.** A Theoretical Approach Towards Time Delay Calculation for Jovian Signal Reception by S. Mondal and A. B. Bhattacharya, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, p. 33, November 01-03, 2014, Darjeeling Govt. College, Darjeeling.
- **903.** Interaction of Satellite Io with its Planet Jupiter: A Case of Unique Backfire by A. B. Bhattacharya and B. Raha, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, pp. 34-35, November 01-03, 2014, Darjeeling Govt. College, Darjeeling.
- **904.** Effect of Atmospheric Electron Density in Relation to Thunder and Shower Days by J. Pandit and A. B. Bhattacharya, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, pp. 39-40, November 01-03, 2014, Darjeeling Govt. College, Darjeeling.
- **905.** On Some Aspects of Solar Radio Signals in the Frequency Range of 50 MHz to 300 MHz by M. Debnath and A. B. Bhattacharya, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, p. 44, November 01-03, 2014, Darjeeling Govt. College, Darjeeling.
- 906. Spectral Patterns of Lightning Radiations at VLF Band in the Tropics by R. Bhattacharya, J. Pandit and A. B. Bhattacharya, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, pp. 57-58, November 01-03, 2014, Darjeeling Govt. College, Darjeeling.
- **907.** Plasma Waves Associated with the Bow Shock of Planet Jupiter by B. Raha and A. B. Bhattacharya, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, pp. 65-66, November 01-03, 2014, Darjeeling Govt. College, Darjeeling.
- **908.** Design and Performance Analysis of a LPDA in VHF Range for Observing Solar Radio Bursts by A. Nag, K. Roy and A. B. Bhattacharya, *International Conference on Nonlinear Dynamics and its Applications in Physical and Biological Sciences (CNDAPBS-14)*, pp. 74-75, November 01-03, 2014, Darjeeling Govt. College, Darjeeling.
- **909.** A Simultaneous Study of Solar and Jovian Radio Signals by Asit Baran Bhattacharya, Jyotirmoy Pandit and Soumyabrata Mondal, 18th National Space Science Symposium, 2014, Dibrugarh University, Assam.
- **910.** Mintu Debnath: Investigations on solar and Jovian radio signals by using wind-proof log periodic dipole array and radio Jove receivers
- **911.** Tanusree Das: Some studies on the plasma processes responsible for the dynamic atmosphere of the Sun and to quantify the consequent feedback system in the electrically coupled troposphere and ionosphere

- **912.** Jyotirmoy Pandit: Some studies on solar-terrestrial parameters and to predict the ionospheric disturbances using low frequency radio receiver
- **913.** Soumyabrata Mondal: Some studies on electrification and plasma processes in the solar planetary atmosphere from the reception of radio signals
- **914.** Flat band analogues and flux driven extended electronic states in a class of geometrically frustrated fractal networks Atanu Nandy, Biplab Pal and Arunava Chakrabarti, J. Phys. : Cond. Mat. 27, 125501 (2015).I.F.=2.2223
- **915.** Exotic electron states and tunable magnetotransport in a fractal Aharonov-Bohm interferometer Atanu Nandy, Biplab Pal and Arunava Chakrabarti, Phys. Lett. A 378, 3144 (2014). I.F.=1.766
- **916.** Engineering bands of extended electronic states in a class of topologically disordered and quasiperiodic systems Biplab Pal and Arunava Chakrabarti, Phys. Lett. A 378, 2782 (2014). I.F.-1.766
- **917.** Absolutely continuous energy bands in the electronic spectrum of quasiperiodic ladder networks Biplab Pal and Arunava Chakrabarti, Physica E 60, 188 (2014). I.F.=1.522
- 918. IJRER, Vol.4, No.2, 2014 ; Impact Factor: 1. ISSN 1309-0127
- 919. IJRER, Vol.4, No.3, 2014; Impact Factor: 1. ISSN 1309-0127
- **920.** JED, Vol.20, pp.1772-1776,2014; ISSN 1682-3427
- 921. .Bio- polymer assisted solvothermal growth and optical characterization of CdS nanostructures, J. S. Roy, K. Pal, T. Pal Majumder, Advanced Materials Letters, 5 (2014) 538-542. IF=1.963
- **922.** Optical behaviour of CdS nanorods dispersed in liquid crystal, J.S. Roy, T. Pal Majumder, R. Dabrowski, B.K. Mahato, A. Barman, Advanced Materials Letters, 6 (2015) 47-50. IF=1.963
- **923.** OPTICALBEHAVIOUROFSYNTHESIZEDZNO NANOTABLETSANDITSTRANSFORMED NANORODSWITHTHEASSISTANCEOFA CATIONICSURFACTANTCTAB, Pritam Saha and Tapas Pal Majumder, and Subhas Chandra Debnath, Advanced Nanoscience and Technology: An International journal, 1 (2014) 21-30. IF=1.67
- **924.** Enhanced photoluminescence of antiferroelectric liquid crystals doped with sodium titanate nanoparticles, J. S. Roy, T. P. Majumder, and R. Dąbrowski, Functional Materials Letters, 7 (2014) 1450054. IF=1.60
- **925.** Poisson–Boltzmann equation and electroconvective instability in ferroelectric liquid crystals: a mean-field approach, T Lahiri, T Pal Majumder and N K Ghosh, Physica Scripta, 89 (2014) 075706, IF= 1.30
- **926.** Effect of polymer network on the dielectric behaviour of in-phase and anti-phase motions in antiferroelectric liquid crystals, D. Das and T. Pal Majumder, Science Jet, 4 (2015) 99.
- **927.** National conference on nanoscience and nanotechnology, University of Calcutta, 18-19.09.2014, Optical behaviour of liquid crystals TiO₂ nanoparticle mixture, J.S.Roy, T. Pal Majumder, R. Dabrowski, poster
- **928.** International conference on nanoscience and nanotechnology, Colombo, Sri Lanka, 12-13.08.2014, Photoluminescence behaviour of sodium titanate nanoparticle dispersed in liquid crystals, J. S. Roy, T. Pal Majumder and R. Dabrowski, oral
- **929.** Third world conference on applied science, engineering and technology, Kathmandu, Nepal, 27-29.09.2014, Enhanced in photoluminescence intensity of CdS nanorods dispersed in liquid crystals, oral

- 930. Tanmoy Lahiri Registered for PhD on 03.02.2011, Published eight papers. He has worked in the field of ferroelectric liquid crystals theory. He has submitted his thesis on 15.07. 2013. Ph. D. degree awarded on 24.06.2014.
- **931.** Kaushik Pal Registered for PhD on 03.02.2011, Published ten papers. He has worked in the field of liquid crystals doped nanomaterials, experiment. He has submitted his thesis on 10.06.2013. Ph. D. degree awarded on 01.09.2014.

DEPARTMENT OF PHYSIOLOGY

- **932.** G Paul (Dec, 2014) Paribesh O Dushan, Environmental Science, 4th Edn., Kolkata, Dasgupta & Company Pvt. Ltd. (for UG & PG students). ISBN: 81-82-019-X.
- **933.** Kaushik Sarkar, Panchali Tarafder, Goutam Paul. Bisphenol A inhibits duodenal movement in vitro of rat through nitric oxide mediated soluble guanylyl cyclase and α-adrenergic signaling pathways. Journal of Applied Toxicology. 2015. (wileyonlinelibrary.com) DOI 10.1002/jat.3154. IF-3.174.
- **934.** Amit Ghati, Goutam Paul. (2015). Purification and characterization of a thermo-halophilic, alkali-stableand extremely benzene tolerant esterase from a thermo-halo tolerantBacillus cereus strain AGP-03, isolated from 'Bakreshwar' hot spring, India. Process Biochemistry. 50(5). 771-781; 2015. IF-2.524
- **935.** Partha Pratim Nath, Kaushik Sarkar, Panchali Tarafder, Mukti Mondal, Kamalesh Das, Goutam Paul. Practice of using metanil yellow as food clour to process food in unorganized sector of West Bengal-A case study. International Food Research Journal, 2014 (accepted for publication).
- **936.** Diptendu Sarkar, Goutam Paul. (2014). A Study On Involvement Of Metal-Binding Protein(S) For The Biosorption Of Some Selected Heavy Metals. Journal of advances in biology. 5(3).692-696.
- **937.** Diptendu Sarkar, Goutam Paul. (2014). A Study On Optimization Of Production And Partial Characterization Of Cholesterol Oxidase Enzyme Isolated From Pseudomonas Sp. International Journal of Innovative and Applied Research (2014), Volume 2, Issue (12): 23-30.
- **938.** Diptendu Sarkar, Goutam Paul. (2014). Effect of UV Induced Mutation on Production of Xylinase Enzyme from Bacillus subtilis. Int. J. Pure App. Biosci. 2 (6): 236-240 (2014).
- **939.** Diptendu Sarkar, Goutam Paul. (2015). Bioremediation of nickel ions from aqueous system by dry cells of Pseudomonas aeruginosa DSGPM4 species. Int. J. of Pharm. Life Sci. 6(1): Jan., 2015:4110-4114
- **940.** N.C. Choudhury, Goutam Paul, A. Kundu, M.S. Kundu, A.K. De, N. Ram. (2014). Evaluation of egg quality traits of endangered Nicobari fowl and its crosses under intensive and backyard system of Andaman and Nicobar Islands, India. Veterinary World, EISSN: 2231-0916. 7 (13):693-697.
- **941.** Amit Ghati, Goutam Paul. (2014). Tributyrin-esterase biosynthesis in geobacillus sp. Agp-04 a study of regulatory mechanism. Int J Pharm Bio Sci 2014 Oct; 5(4): (B) 454 465. IF 2.958.
- **942.** Mukti Mondal, Panchali Tarafder, Kaushik Sarkar, Partha P. Nath, Goutam Paul. Monosodium glutamate induces physiological stress by promoting and production of cardiovascular risk metabolites in rat. Int. J. Pharm. Sci. Rev. Res. 27(1), 328-331, 2014. IF 2.191.
- **943.** Kamalesh Das, Kaushik Sarkar, Panchali Tarafder, Partha P. Nath and Goutam Paul (2014). Chlorpyrifos suppresses female reproductive function in rat. Int J Pharm Bio Sci. 5(1): (B) 810-818. ISSN-0975-6299.IF-2.958.

- **944.** Suban Baskey, Mouri Ghosh, Panchali Tarafder, Kaushik Sarkar and Goutam Paul (2014). Chlorpyrifos impairs haematological and hepatic tissue functions by producing oxidative stress. J Pharm Bio Sci. 5(2): (B) 829-834.IF-2.958.
- **945.** Goutam Paul, Kaushik Sarkar, Panchali Tarafder. (2014). Bisphenol A inhibits small intestinal and cardiac motor function through nitrergic and cholinergic signaling pathways. International Ergonomics Conference HWWE 2014 scheduled to be held at Guwahati IIT during 2-5 Dec, 2014, page-413-419. Mc Graw Hill Professional Education. ISBN-13:978-93-392-1970-3.
- **946.** Kaushik Sarkar, Panchali Tarafder, Partha P. Nath, Mukti Mondal, Goutam Paul. Bisphenol A inhibits the motor function of duodenal smooth muscle in rat. 1st Annual International Conference on Advanced Research: Physiology (ARP 2014), 21-22nd July, 2014, Singapore, Conference Proceeding. GSTF, page-58-61.
- **947.** Goutam Paul, Kaushik Sarkar, Panchali Tarafder. Bisphenol A depresses the duodenal and cardiac movement through nitric oxide mediated guanylyl cyclase pathway. 1st Annual International Conference on Advanced Research: Physiology (ARP 2014), 21-22nd July, 2014, Singapore, Conference Proceeding. GSTF, page-52-57.
- **948.** Panchali Tarafder, Kaushik Sarkar, Partha P. Nath, Mukti Mondal, Goutam Paul. Bisphenol A Induces Cardiac Risk By Producing Oxidative Stress Linked Ventricular Degeneration And Altering Lipid Metabolism. 1st Annual International Conference on Advanced Research: Physiology (ARP 2014), 21-22nd July, 2014, Singapore, Conference Proceeding. GSTF, page-62-64.
- **949.** Goutam Paul. Involvement of Nitric Oxide in Bisphenol A Induced Depression of Small Intestinal and Cardiac Motor Function.102nd Indian Science Congress. ISC-2015, organized by University of Mumbai. Jan. 3-7, 2015. (Invited lecture).
- **950.** Partha Pratim Nath, Kaushik Sarkar, Panchali Tarafder, Goutam Paul. Metanil yellow impair the estrous cycle physiology in female rat. 1st Annual International Conference on Advanced Research: Physiology (ARP 2014), 21-22nd July, 2014, Singapore, Conference Proceeding. GSTF, page 25.
- **951.** Goutam Paul. Climate Change: Causes, Effects, and Mitigation Strategies. 22nd West Bengal State Science Congress. Organized by Department of Science and Technology and West Bengal State Council of Science and Technology, GoWB. Feb. 28-March 01, 2015 (Keynote lecture).
- **952.** Thesis awarded: Name : Kaushik SarkarTitle: "Effect of Bisphenol A (BPA) on the Function of Intestinal Smooth Muscle in Mammalian Model: A Molecular Physiological Study". (University of Kalyani, 2014).
- **953.** Kjellstrom, T., Lucas, R., Lemke, B and **Sahu, S.** (2014): Occupational Heat Effects: A global health and economic threat due to climate change In: Climate Change and Global Health (Edited by Butler, C.D) CAB international, UK (ISBN 13: 978178062659)
- 954. Biswas A, Adan A, Haldar P, Majumdar D, Natale V,Randler C, Tonetti, L, Sahu S. (2014) : Exploration of transcultural properties of the reduced version of the Morningness-Eveningness Questionnaire (rMEQ) using adaptive neuro-fuzzy inference system, Biological Rhythm Research, DOI 10.1080/09291016.2014.939442 (ISSN 0929-1016/1744-4179 Impact factor 1.216).
- **955.** Moitra S. Maity S.G. Haldar, P. Pandit,A.K. **Sahu, S**. (2014) : Trwaler fuel exhaust and respiratory impairment: a cross sectional pilot study among Indian fishermen working in informal sectors, *International Journal of Occupational and Environmental Health*, <u>http://dxdoi.org/10.1179/2049396714y000000057</u> (ISSN: 1072-3525/ 2049-3967 Impact factor 1.099)

- **956.** Randler, C Prokop, P **Sahu, S.** Halder, P (2014): Cross cultural comparison of seven morningness and sleep-wake measures from Germany, India and Slovakia, *International Journal of Psychology*, (ISSN 00207494/1464-066X, **Impact factor 1.22**).
- 957. Haldar, P Biswas, S.C., Biswas, N. and Sahu, S. (2014): Work load and performance of Health care unit personnel working in Rotating shift, *Indian Journal of Biological Sciences*, Accepted (Reviewed ISSN 0972-8503)
- 958. Durlov, S. Chakraborty, S. Chatterjee, A, Das, T Dev, S. gangopadhyay, S., Halder, P, Maity SG Sarkar, K, Sahu, S (2014): Prevalence of low back pain among handloom weavers in West Bengal, India, *International Journal of Occupational and Environmental Health*, http://dxdoi.org/10.1179/2049396714y0000000582 (ISSN: 1072-3525/ 2049-3967 Impact factor 1.099)
- 959. Haldar P, and Sahu S. (2015): Occupational stress and fluctuating work proficiency of nursing staffs engaged in rotating shift work, Biological Rhythm Research, Accepted (ISSN 0929-1016/1744-4179 Impact factor 1.216)
- **960.** Moitra, S and **Sahu, S** (2014): A cost-effective interventional method to reduce indoor air pollution-associated respiratory symptoms among Indian Goldsmiths –A pilot study, Use Centred Design and Occupational Wellbeing (Edited by Chakraborti, D.), McGrawHill,(ISBN-13 :978-93-392-1970-3), p191-195) (Proccedings of International Ergonomics Conference ,HWWE, 2014 held in IIT, Guwahati from 3-5th Dec, 2014)
- **961.** Sahu, S. (2014): Cross Country comparison of Morningness-Eveningness orientation based on rMEQ and It's Application in shift work tolerance in Indian perspective, Proceedings of the XXXVI Annual National Conference of the Physiological Society of India,p-52
- **962.** Adhikari A, **Sahu S** (2014): Assessment of the respiratory health status of the saw-mill workers in West Bengal, Proceedings of the XXXVI Annual National Conference of the Physiological Society of India,p-98
- **963.** Durlov, S, **Sahu S** (2014) : A study of health problems among male handloom weavers in Nadia District. Proceedings of the XXXVI Annual National Conference of the Physiological Society of India,p-96
- **964.** Thesis Awarded: : Shri Subhabrata MoitraTitle: "Ergonomic evaluation of workload and work environment of the Goldsmiths engaged in unorganised sector of West Bengal". (University of Kalyani) 2014.

DEPARTMENT OF STATISTICS

- **965.** Optimal Mixture Experiments (Lecture Notes In Statistics-1028)B.K.S.nha, N.K.Mondal, Manisha Pal, P.DasPublished by : Springer,2014!SBN- 978-81-322-1785-5ISBN- 978-81-322-1786-2(e-Book)Library of Congress Control Number-2014936178
- **966.** Optimal Covariate Designs- Theory and Applications, 2015P.Das, G.Dutta, N.K.Mandal, B.K.SinhaISBN- 978-81-322-2460-0ISBN-978-81-322-2461-7(e-Book) Lbrary of Congress Control Number- 2015
- **967.** Mixture Designs With Orthogonal Blocks (P.Das, and B.K.Sinha): Accepted in Comm. In Statistics, 2015
- **968.** D-optimal Designs for covariate model (P.Das, G. Dutta and N. K. mandal) Comm. Stat Theory and Meth., 43, 165-174, 2014

DEPARTMENT OF ZOOLOGY

969. Das, P., Pramanick, K., Dilip Mukherjee, B. R. Maiti. *In vitro* induction of oocyte maturation and steroidogenesis by gonadotropins, insulin, calcitonin and growth factor in an estuarine flat head grey mullet, *Mugil cephalus* L. Fish Physiol Biochem (2014) 40, 105–116. (IF 1.676)

- **970.** Pramanick, K.; Kundu, S., Paul, S., Mallick, B., Roy Moulik, S., Pal, P. and Dilip Mukherjee. Steroid-induced oocyte maturation in Indian shad *Tenualosa ilisha* (Hamilton, 1822), is dependent on phosphatidylinositol 3 kinase signaling pathway. Molecular and Cellular Endocrinology (2014), 390, 26–33 (I.F. 4.083)
- **971.** Epidermal growth factor regulation and its signalling in ovarian steroidogenesis and oocyte maturation in common carp" by Buddhadev Mallick (submitted).
- 972. Sanyal, Tanmay, Kaviraj, Anilava and Saha Subrata. 2015. Deposition of chromium in aquatic ecosystem from effluents of handloom textile industries in Ranaghat–Fulia region of West Bengal, India. JOURNAL OF ADVANCED RESEARCH (ELSEVIER). (IN PRESS)<u>http://dx.doi.org/10.1016/j.jare.2014.12.002</u>
- **973.** Samaddar Ayan and Kaviraj Anilava. 2015. Application of Fermentation Technology to use Slaughterhouse Blood as Potential Protein Supplement in Fish Feed. JORDAN JOURNAL OF BIOLOGICAL SCIENCE. 8 (1): (IN PRESS)
- **974.** Samaddar Ayan and Kaviraj Anilava. 2014. Processing of fish offal waste through fermentation utilizing whey as inoculums. INTERNATIONAL JOURNAL OF RECYCLING OF ORGANIC WASTES IN AGRICULTURE (SPRINGER).3:45. DOI 10.1007/s40093-014-0045-3
- **975.** Kavira Anilava and Gupta Abhik. 2014. Biomarkers of Type II synthetic Pyrethroid pesticides in freshwater fish. BioMed Research International.Volume 2014, Article ID 928063, 7 pages http://dx.doi.org/10.1155/2014/928063
- 976. Ecotoxicological Risks of Modern Type-II Pyrethroids to Non-Target Aquatic Organisms. -International Conference on Environmental Biology and Ecological Modelling (ICEBEM – 2014), Viswabharati University, Santiniketan, February 24 to 26, 2014
- **977.** Kundu I,Ghosh S, Bandyopadhyay P.K and Mandal D.R (2014)Pathophysiological effects of a nematode parasite *Eustrongylides* sp. larvae on serum biochemistryand hematology of freshwater fish, *Channa punctatus*.Parasitology (Cambridge journal) (Communicated) IF:1.25.
- **978.** Ghosh S, Panda S and Bandyopadhyay P.K (2014)Description of three new species of *Myxobolus* Bütschli, 1882 (Myxozoa: Myxosporea: Bivalvulida) from edible freshwater fishes of West Bengal, India. Parasitology reserach, springer (communicated).
- **979.** Ghosh S and Bandyopadhyay P.K (2014) Characterization and pathophysiological studies of *Rhizomucor pusillus* PKBSG causing systematic zygomycosis in *Channa punctatus* cultured in India.Journal of Aquatic animal health,Taylor and Francis.(Communicated) IF:1.02
- **980.** Ghosh S , Panda S and Bandyopadhyay P.K (2014)Molecular characterization of a new species of Myxobolus Butschli, 1882 from the Indian major carp *Labeo rohita* (Hamilton) European journal of Protistology(Communicated) IF:1.02
- **981.** Molla SH and Bandyopadhay P. K.(2014) In vitro and in vivo anthelminitic activity of *Murraya koenigii* against gastro-intestinal nematodes of sheep.Journal of Parasitic Diseases(Springer) DOI: 10.1007/s12639-014-0510-y
- 982. Biswas T., Bandyopadhyay P.K. (2014)First record of the genus Siphonaria sowerby, 1823 (Mollusca: Gastropoda: Siphonariidae), an associated organism of oyster from coastal zone of Sundarbans, West Bengal, India.Record of Zoological survey of India(In press)
- **983.** Sutapa Sarkar and P.K.Bandyopadhyay(2014) A New species of *Monocystis* Von Stein, 1848 (Apicomplexa; Conoidacida; Eugregarinida) from an Earthworm Host

Bangladesh Proc. Nat. Con. Chal. Bio. Reso .Mang. ISBN 978-81-927762-0-0 (1):50-56

- 984. Biplab Bhowmik, Amlan Kumar Mitra and P.K.Bandyopadhyay (2014) Studies on the biodiversity of Endoparasitic Aseptate Gregarines (Protozoa: Apicomplexa: Eugregarinida) from Earthworms of (Annelida: Oligochaeta)West Bengal Proc. Nat. Con. Chal. Bio. Reso .Mang.ISBN 978-81-927762-0-0 (1):9-15
- **985.** Tanima Biswas and P. K. Bandyopadhyay (2014) First record of the genus *Cryptosporidium* sp. (Apicomplexa: Eucoccidiorida: Cryptosporidiidae) from the edible oyster in Sundarbans region, West Bengal, India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):223-231
- **986.** Subarna Ghosh, Somerita Panda and P.K.Bandyopadhyay (2014) Phytochemical screening and *in-vitro* antimicrobial activities of *Nyctanthes arbortristis* Linn and *Euphorbia hirta* against three pathogenic bacteria. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):194-202
- **987.** Molla SH and Bandyopadhay P. K.(2014) Prevalence of some gastrointestinal nematode parasites in economically important bonpala sheep of teesta river vally, West Bengal ,India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):161-165
- **988.** Majumder S and Bandyopadhay P. K.(2014) A new strain of the bacterial species Pseudomonus aeruginosa isolated from fishes in West Bengal West Bengal ,India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):250-255
- 989. Mitra A.K. and Bandyopadhay P. K.(2014) *Trichodina vittusi* sp.nov (ciliophora: peritrichia) in *Mystus vittatus* (Bloch) from river Matla, West Bengal ,India. Proc. Nat. Con. Chal. Bio. Reso .Mang ISBN 978-81-927762-0-0 (1):299-303
- **990.** A New species of *Monocystis* Von Stein, 1848 (Apicomplexa; Conoidacida; Eugregarinida) from an Earthworm Host Bangladesh.
- **991.** Studies on the biodiversity of Endoparasitic Aseptate Gregarines (Protozoa: Apicomplexa: Eugregarinida) from Earthworms of (Annelida: Oligochaeta)West Bengal.
- **992.** First record of the genus *Cryptosporidium* sp. (Apicomplexa: Eucoccidiorida: Cryptosporidiidae) from the edible oyster in Sundarbans region, West Bengal, India.
- **993.** Phytochemical screening and *in-vitro* antimicrobial activities of *Nyctanthes arbortristis* Linn and *Euphorbia hirta* against three pathogenic bacteria Seasonal Incidence of Protozoan Parasites affecting fresh water fishes of West Bengal,India
- **994.** Biodiversity Studies of Ectoparasitic Trichodinid Ciliophorans (Protozoa: Ciliophora) in edible fishes of West Bengal, India
- **995.** 7 theses submitted,5 awarded
- **996.** S. Ghosh and P.K. Bandopadhyay (2015)Identification of *Culex vishnui* (Diptera: Culicidae) the Potent Vector of Japanese Encephalitis by SEM with Special Reference to its Green Control, Modern Biotechniques and Biotechnology Discovery Publishing House Pvt. Ltd., New Delhi (India) ISBN: 978-93-5056-749-4 vo. 4 pp71-80.
- **997.** Studies on water quality with special reference to limnological characteristics of Kalyani lake, West Bengal, India, IJSR- International Journal of Scientific Research Vol-3 issue 2, Feb 2014, ISSN No. 2277-8179. 30-32. Impact factor:1.71
- **998.** Pollutional impact of some selective agricultural pesticides on fish Cyprinuscarpio IMPACT: International Journal of Research in Applied, Natural and Social Sciences . Vol. 2, Issue 2, Feb 2014, 71-76 . (IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580,

Impact factor: 1.45

- **999.** A Study on profile of fishing community of the riverside villages of River Churni, Nadia, West Bengal with special reference to Socio-economic and technological appraisal of fishermen IMPACT: International Journal of Research in Applied, Natural and Social Vol. 2, issue 3, Mar 2014, 97-102Sciences IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580, Impact factor-1.45
- 1000. Studies on the effect of aquatic pollution on Ichthyofaunal diversity of the East Kolkata Wetlands IMPACT: International Journal of Research in Applied, Natural and Social Vol. 2,issue 4, March 2014, 145-152Sciences. IMPACT: IJRANSS) ISSN(E): 2321-8851; ISSN(P): 2347-4580, Impact Factor: 1.0174
- 1001. Effect of Pollutional load on fish faunal diversity of Nabaganga river at Jhenidah District in Bangladesh. Metro Journal of Environmental Research, Salem, India. March 2014 Issn2348-5701, vol-1. Impact factor-1.3
- **1002.** Fresh water fish diversity of Nabaganga river at Jhenidah district, Bangladesh, Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 819-927762-0-0, (2014), p-36-41
- 1003. Ecology and zooplankton diversity of a fllod plain wet land in west Bengal in India Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 81-927762-0-0, 2014, p-203-209
- 1004. Immuno biochemical characterization of leptin protein from Indian major carpslabeorohita. Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 81-927762-0-0, 2014, p-242-245
- **1005.** A study on behavioral responces in cyprinuscarpio exposed to different toxic agricultural effluents. Proceedings of the National Conference on Challenges in Biodiversity and Resources Management ISBN 978- 81-927762-0-0, 2014, p-316-319

