

CV OF PROF. (DR.) ASHIS KUMAR PANIGRAHI



Former Pro Vice-Chancellor, The University of Burdwan	
Name:	ASHIS KUMAR PANIGRAHI
Date of Birth: (Day/Month/year)	26/08/1961*
Correspondence Address:	Prof. (Dr.) Ashis Kumar Panigrahi, Professor of Zoology, Former Head, Dept.of Zoology & Director of DODL, University of Kalyani, Kalyani, Nadia, West Bengal, PIN-741235, India.
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1. Educational Qualification:

Sl. No.	Qualification	University	Year	Subject(s) / Topic(s)
1.	DSC	Berhampur University, Odisha	2021	Science and Technology (Ganga river tributaries pollution and its impact on aquatic life and fishermen community)
2.	PhD	University of Kalyani	1988	Eco-Toxicology and Pollution Biology(Petroleum oil pollution and its impact in aquatic environment)
3.	M.Sc.	University of Kalyani	1982	Zoology (Fish and Fisheries)
4.	B.Sc.(Hons.with Distinction)	Utkal University, Odisha	1980	Zoology

2. Administrative Responsibilities:

Sl. No.	Post	Organization/ University	Duration	
			From (Date)	To (Date)
1.	Fishery Technical Officer and Chief Executive officer	WBCADC, Planning and Development cell.	01/03/1988	04/05/2000
2.	Head, Department of Fishery Extension	West Bengal University of Animal and Fishery Sc.	01-07-2004	31-07-2007
3.	Head of the Department, Zoology	University of Kalyani	01-06-2012	01-06-2014
4.	Head of the Department, Zoology	University of Kalyani	25-05-2018	01-06-2020
5.	Chairman Board of Studies, PG	University of Kalyani	01-06-2012	01-06-2014
6.	Chairman Board of Studies, PG	University of Kalyani	01-06-2018	01-06-2020
7.	Chairman Board of Studies, UG/PG	West Bengal University of Animal and Fishery Sciences	01-07-2004	31-06-2007
8.	Chairman Board of Studies, UG/PG	University of Kalyani	01-06-2018	05-06-2023
9.	Member of Academic Council	University of Kalyani	01-08-2013	01-06-2020
10.	Member of Academic Council, PG	The University of Burdwan	02-06-2020	01-06-2024
11.	Chairman of Academic Council, UG	The University of Burdwan	02-06-2020	01-06-2024
12.	Chairman, Examination Regulation Committee, UG	The University of Burdwan	02-06-2020	01-06-2024
13.	Member of Executive Council	The University of Burdwan	02-06-2020	01-06-2024
14.	Chairman, University Statutes Committee	The University of Burdwan	02-06-2020	01-06-2024

15.	Member, University Finance Committee	The University of Burdwan	02-06-2020	01-06-2024
16.	Member, University Ph.D. Regulation Committee	The University of Burdwan	02-06-2020	01-06-2024
17.	Vice-Chairman, Advisory Committee, DODL	The University of Burdwan	02-06-2020	01-06-2024
18.	Member of different Professional and Academic Bodies	The University of Burdwan	02-06-2020	01-06-2024
19.	Director, DODL	University of Kalyani	20-02-2025	Continuing

3. Academic Responsibilities:

Sl. No.	Post	Organization/University	Duration	
			From (Date)	To (Date)
1.	PROVICE-CHANCELLOR	The University of Burdwan	02-06-2020	01-06-2024
2.	PROFESSOR	University of Kalyani	01-08-2013	Continuing
3.	ASOOCIATEPROFESSOR	University of Kalyani	01-08-2010	01-08-2013
4.	READER	University of Kalyani	01-08-2007	01-08-2010
5	SENIORLECTURER	West Bengal University of Animal and Fishery Sciences	06-05-2004	31-07-2007
6.	LECTURER	West Bengal University of Animal and Fishery Sciences	05-05-2000	05-05-2004

4. Participation and contribution in relevant areas in Higher Education:

	Organization	Area of specialization
Visiting Professor	Vidyasagar University, West Bengal	Fisheries, Eco-toxicology, Conservation Biology, Ecology and Biodiversity
Visiting Professor	University of Gour Banga, West Bengal	Fisheries, Eco-toxicology, Conservation Biology, Ecology and Biodiversity
Visiting Professor	Berhampur University, Orissa	Fisheries, Eco-toxicology, Conservation Biology, Ecology and Biodiversity
Resource Person	Diamond Harbour Women's University, West Bengal	Fisheries, Eco-toxicology, Conservation Biology, Ecology and Biodiversity
Resource Person	Sidho-Kanho-Birsha University, West Bengal	Fisheries, Eco-toxicology, Conservation Biology, Ecology and Biodiversity

5. Execution of Innovative Academic Programme:

Sl. No.	Nomenclature of Innovative Academic Programme.	Date of approval by Appropriate Authorities.	Year of Introduction And completion.
1.	Course on Cyber Law Security at the University of Burdwan	09.11.2022	2022-2023

6. Important MoUs formulated for Academic Collaborations:

Sl.No.	MoUs formulated	Name of Agencies/Departments involved	Year of MoU
1.	For collaborative research, exchange programme, research material, project development in diverse areas of Zoological Science including Organism biology, Molecular Systematic, cataloguing and applied Zoology.	Zoological Survey of India	2023
2.	GNNS laboratory in Burdwan, GLB for a state of art facility for publications, student internship, IRNSS or NavIC software development.	Space Application Centre SAC, ISRO, India	2023
3.	For joint publication, data sharing and research.	Shivaji University, Kolhapur, India	2021

7. Position of Chairs:

Sl. No.	Name of Chair	Name of Agencies/Departments involved	Period of holding the Chair
1.	Chief Executive Officer, Fisheries	West Bengal Comprehensive Area Development Corporation	8 years
2.	Chairman, Board of Studies PG Zoology	Kalyani University	4 years
3.	Chairman, Board of Studies UG Zoology	Kalyani University	4 years
4.	Chairman, Board of Studies Zoology Distance Education	Kalyani University	4 years
5.	Chairman, Board of Studies PG UG Admission committee	The University of Burdwan	4 years
6.	Chairman, UG Council	The University of Burdwan	4 years
7.	Chairman, UG regulation Committee	The University of Burdwan	4 years
8.	Chairman, Syllabus Committee, UG/ PG	The University of Burdwan	4 years

9.	Chairman, University Statutes Committee	The University of Burdwan	4 years
10.	Chairman, Examination Regulation Committee, UG	The University of Burdwan	4 years

8. Scholarly Achievements (Contribution to Journals and Books):

I. Book Authored:

Details	Name of the Books
Book authored	Vision of Environmental Sustainability on 2021, ISBN: 978-93-88879-80-4, University of Kalyani Publisher.
Book authored	Modern Trends in Aquaculture Technology, ISBN No: 978-620-6-16685-6, 2023, LAB LAMBERD ACADEMIC PUBLISHING, United Kingdom
Book authored	Mach Chaser Samosya O Pratihar (In Bengali language), 2011, ISBN: 81-86966-53-6, Arpita Prakashani, Kolkata
Book authored	Modern Trends in Aquaculture Technology, Lambert Academy Technology, London ISBN-978-620-6-16685-6
Book authored	Biofloc: A Recent Trends in Aquaculture. Modern trends in aquaculture Technology. LAP LAMBERT Academic Publishing. ISBN- 978-620-6-16685-6.
Book authored	Impact of avifaunal aggregation on physico-chemical parameters of water of a flood plain wet land of West Bengal, India. Biodiversity Conservation: Strategies and Applications. South Eastern Book Agencies. ISBN- 978-81-937-3274-8.
Book authored	Studies on ecology and diversity of plankton in relation to physico-chemical characteristics of water of a flood plain wet land in West Bengal, India. Proc. UGCSAP. Nat. Sem, ISBN: 978-81-932401-2-0.
Book authored	Ecology and zoo plankton diversity of a flood plain wet land in West Bengal, India. Proc. Nat. Con. Cha. Bio. Res. Man. ISBN 978-81-927762-0-0.
Book authored	Karma Sansthaner Lokhye Jolojo Fosolomachh-Chash (In Bengali language), ISBN NO: 978-81-962456-8-9, Mehanati Prakashani, Kolkata
Book authored	Present Status and Future Prospects of Primary Fishermen Co-operative Societies in Murshidabad District of West Bengal, ISBN No: 978-93-92800-29-0, Genesis Global Publication, Bhopal, 462016, MP, India.
Book authored	Gramin Arthoniti Unnoyone Mach Chash (In Bengali language), 2008, ISBN No: 8183593-46-3, Prava Prashani, Kolkata.
Book authored	Education for Sustainable Tomorrow: Unveiling the National Education Policy 2020 2024, Writers Row Publication, Bangalore.

II. Book Edited:

Details	Name of the Books
Book Edited	Women's Empowerment Challenges and Strategies, 2023, Writers Row Publication, Bangalore, ISBN-978-93-95583-29-9
Book Edited	Inclusive Education: Perspectives, Practices and Challenges, 2022, ISBN No: 978-93-5506-203-1, HSRA Publication, Bangalore
Book Edited	Life Skills Education, 2022, ISBN No: 978-93-5506-202-4, HSRA Publication, Bangalore
Book Edited	Empowerment of Woman Challenges and Opportunities, Writers Row Publication, Bangalore, ISBN-978-93-95583-28-2, 2023
Book Edited	Social Sustainability in Times of Crisis: Pathways for Adaptation and Resilience, 2024, red' Shine Publication, Anand, Gujarat, 388120, India. ISBN No: 978-91-7308-077-4
Book Edited	Life as Basic Science: An Overview and Prospects for the Future, Volume: 01, 2024, International Academic Publishing House (IAPH).

III. Editor of Different Journals:

Details	Name of the Journals
Editor-in-Chief	Indian Journal of Biology, ISSN 2394-1391, Red Flower Publication
Editor	Environment and Ecology, MKK Publication, Kalyani, Kolkata. ISSN No-09470-0420
Editor	Indian Journal of Ecology and Conservation, ISSN No: 2455-82
Editor	Journal of Ecology, Environment and Conversion, Pune. ISSN No-0971-765x
Editor	International Journal of Pharmacology and Biological Sciences, ISSN No.: 0973-6808, Jalgaon, Bhopal, India.

IV. Peer Reviewer for Different Journals:

Details	Name of Different Journals
Peer reviewer for Journals	<ul style="list-style-type: none"> (a) Asian journal of Fisheries and Aquatic Research (b) BP International Publisher (c) Asian Journal of Applied Chemistry Research Kolkata/London (d) World journal of Biology and Biotechnology (e) Aquatic Ecosystem and Health Management (f) Indian Journal of Biology, New Delhi (g) International Journal of Biotech Trends and Technology (h) Journal of Oriental Intitule (i) Acta Scientific Vet, Baroda (j) Asian Journal of Food Research & Nutrition, Kolkata/London (k) Academia Biology, USA (l) Bangladesh Journal of Fishes, Bangladesh

V. Member of the National or International Agencies/Advisory Boards:

Details	National or International Agencies/Advisory Boards
<p align="center">Member of the National or International Agencies/Advisory Boards</p>	<p>I. National:</p> <p>(a) Department of Science and Technology, Govt.of West Bengal (b) Zoological Society, India (c) Biodiversity board of Life Science WB, (d) Vigyan Mancha WB, (e) Indian Science Congress Association of India (f) Zoological Society, WB (g) Zoological Association of Burdwan, WB (h) Aquaculture Association of India</p> <p>II. International:</p> <p>(a) Zoological Society of Bangladesh (b) Aquaculture Society of Nepal</p>

9. Publications (List of scholarly publications in recognized Professional and/or Academic journals):

1. Das, P.K.M., A.K. Panigrahi and S.K. Konar, (1985). Effect of Accidental and pillage of petroleum product on Terrestrial and Aquatic Ecosystem. *Environ. & Ecol.* 3: 603-611.
2. Panigrahi, A.K. and S.K. Konar, (1986). Effects of Mixture of petroleum Refinery Effluent and Anionic Linear Alkyl Benzene sulfonate Detergent of Aquatic Ecosystem. *Environ. & Ecol.* 3: 434-438.
3. Panigrahi, A.K. and S.K. Konar, (1986). Effects of Mixture of Petroleum Refinery Effluent and Anionic Linear Alkyl Benzene Sulfonate Detergent on Fish. *Environ. & Ecol.* 4:
4. Panigrahi, A.K. and S.K. Konar, (1987). Sublethal Effects of Mixture of Petroleum Refinery Effluent and Anionic surfactant Parnol J on Fish. *Environ. & Ecol.* 4: 736-740.
5. Panigrahi, A.K. and S.K. Konar, (1989). Impact of Different Industrial Effluents on Hooghly Estuary Ecosystem with Reference to oil Refinery at Haldia, West Bengal. *Environ. & Ecol.* 7: 57-61.
6. Panigrahi, A.K. and S.K. Konar, (1989). Acute toxicity of some Petroleum Pollutants to Plankton, Fish and Benthic Organisms. *Environ. & Ecol.* 7: 44-49.
7. Panigrahi, A.K. and A. Kaviraj. (1989). Growth Response of Giant freshwater Prawn *Macrobrachium rosenbergii* to cumulative fertilization by inorganic phosphates. *Nat. Acad. Sci. Letters.* 12: 441-443.
8. Panigrahi, A.K. and S.K. Konar, (1990). Acute Toxicity of Petroleum Pollutants of fish, plankton and Mollusk. *Impact. Environ. On Animals and Aquaculture.* Eds. G.K. Manna and B.B. Jana, 1990. pp. 229-232.
9. Panigrahi, A.K. and S.K. Konar, (1990). Sublethal Effects of Mixture of crude Petroleum oil and Anionic Detergent on Fish. *Environ. & Ecol.* 8: 877-882.
10. Panigrahi, A.K. and S.K. Konar, (1992). Influence of Petroleum Refinery Effluent in Presence of Nonionic Detergent Sandozin NIS on Fish. *Environ. & Ecol.* 10: 55-59.
11. Panigrahi, A.K. and S.K. Konar, (1992). Pollutional Impact of Petroleum Refinery Effluent in presence of Nonionic Detergent of Aquatic Ecosystem. *Environ. & Ecol.* 10: 92-96.

12. Panigrahi, A.K. and A. Chakraborti. Studies on pollutional Impact of Tannery Effluent on Fish and Livestock. *Ecology and Ethology of Aquatic Biota* Vol-2, P-85-88, 2004.
13. Panigrahi, A.K. and A. Chakraborti. (2000). Common diseases among cultured fishes in West Bengal and their control. *J. Inter. Acad.* 4 (1): 145-158.
14. Panigrahi, A.K. and B.K. Chand. (2000) Impact of bottom grazing fishes in enhancing the yield of fish in pig-fish-Integration system. *Indian J. Anim. Hith.* 38 (2): 165-169.
15. Panigrahi A.K. and R. N. Das. (2000). Pollutional impact of Industrial effluents on Hooghly estuary at Haldia. W.B., India. *Waste Recycling and Resource Management in the Developing world*, pp. 407-410.
16. Chakraborti, A. and A.K. Panigrahi, (2000). Integrated Aquaculture, Viability and prospects in Indian Conditions – pig – fish integration. *Livestock international*, Vol. 4 (2), 8-12. pp. 2000.
17. Das R.N. and A.K. Panigrahi, (2000). Potentials of Jute retting ponds for fish culture. *Waste Recycling and Resource Management in the Developing world*, pp. 407-410.
18. Panigrahi A.K. and A. Chakraborty, (2000). Integrated Aquaculture, Viability and prospects of duck – fish integration in Indian conditions. *Livestock international*, vol V (9), 4-8pp. 2000.
19. Chand, B.K., S. Behera, and A.K. Panigrahi (2000). Standardization of Feeding Strategies for monoculture of *Macrobachium rosenbargii*. *Environ. And Ecol.* 18(3): 732-737, 2000.
20. Panigrahi A.K. and A. Chakraborti, (2000) Role of bottom grazing fishes in enhancing the pond fertility in pig-cum-catfish Farming. *Journal of Ecol. Env. & cons.* Vol 8 (2): 2000.
21. Panigrahi A.K. and A. Maity, (2003). HRD in Aquaculture Development through formation of Fisherimen's Co-operative. *Environment & Ecology.* 21: 86-88, 2003.
22. Panigrahi A.K., B. Halder, R.K. Trivedy and B. Goswami, (2003). Hydrobiological study on an ox-bow lake with reference to fish production. *Environment and Ecology* 21: 22-24, 2003.
23. Panigrahi A.K., B. Goswami, S.S. Dana and B. Halder, (2003). Impact of Dairy and Cattle Effluents an ecological condition of Shanti Jheel at Haringhata. *Environment and Ecology* 21: 20-21, 2003.
24. Bhuyan and A.K. Panigrahi, (2004) Application of ITK in Fish Health Management. *J. Inter Acad.* 8 (4): 595-599.
25. Barman R.C., S.S. Dana and A.K. Panigrahi, (2004) Information sources utilization of beel users for sustainable development of beel fisheries *J. Environ. & Sociobiol.* 1 (1 & 2): 91-94
26. Barman R.C., S.S. Dana and A.K. Panigrahi, (2004) Information sources utilization of beel users for sustainable development of beel fisheries *J. Environ. & Sociobiol.* 1 (1 & 2): 91-94
27. Panigrahi A.K. (2006) Prevailing constraints for development of fisherman's co-operative society in West Bengal. *J. Environ and Sociobiol.* 3(2): 121-123, 2006.
28. Panigrahi, A.K. P.K. Bandyopadhyay and Sarbani Dutta (Roy). (2009) Studies on Indigenous ornamental fish species with reference to Entrepreneurship Development in some district of West Bengal. *J. Environ and Sociobiol.* 6(1): 7-10, 2009.
29. Panigrahi, A.K., Dutta S and Ghosh, I. (2009) Selective study on the availability of Indigenous fish with ornamental value in some district of West Bengal. *M. Aquaculture Asia*: vol: XIV no: 4 13-15: Oct-Dec 2009
30. Dutta, C., Panigrahi, A.K. and Sengupta, C., (2010) Microbial Pathogens Diversity in Sewage Fed Bheris and Flood Plain Wetlands of West Bengal, India in Relation to Public Health. *World Journal of Fish and Marine Sciences* 2 (2): 99-102, 2010.
31. Dutta, C., Saha, D. Panigrahi, A.K. and Sengupta, C. (2010) The occurrence of *Escherichia coli* in fish samples isolated from different ponds of Nadia District, West Bengal, India. *International Journal of Food Safety*, Vol. 2, 2010, P- 181-186, ISSN no – 1903-0670.

32. Dasgupta, S. and Panigrahi, A.K. (2010) Studies on Parasitic Diseases of Fish in east Kolkata wetland and their anti-Parasitic treatment which Threat to environment. Proceedings of 22nd National Parasitology Congress, 2010, Organised by Kalyani University.
33. Dutta (Roy,) S. and Panigrahi, A.K. (2010) Studies on the Parasitic Infestation in Indigenous Ornamental fish Silver danio, *Danio devario* with its Prophylactic measures by using Ginger- *Zinger officiale*. Proceedings of 22nd National Parasitology Congress, 2010, Organised by Kalyani University.
34. C.Dutta, A.K. Panigrahi and C. Sengupta (2010) Biotechnological diagnostic procedure for rapid detection of microbial pathogen in fish and shell fish. Proceedings of 22nd National Parasitology Congress, 2010, Organised by Kalyani University.
35. N. Saha, A. K Panigrahi and K. Dhara. (2010) A Report on effective treatment with Ciprofloxacin along with vitamin C and E to EU infected snakehead fish- *Ophiocephalus gachua* (Hamilton, 1822). Proceedings of 22nd National Parasitology Congress, 2010, Organised by Kalyani University.
36. Panigrahi, A.K., P.K. Bandyopadhyay and Sarbani Dutta (Roy), (2011) A study on the present status of indigenous ornamental fish species with reference to entrepreneurship development in some Districts of West Bengal. A.K Panigrahi, P.K. Bandyopadhyay and Sarbani Dutta (Roy), Proceedings of 8th Fisheries Forum held at Salt Lake. 2008 Organised by CIFRI and Released in December, 2011.
37. Dasgupta, S., A.K Panigrahi and R.K Trivedi, (2011) A survey on east Kolkata wetland to evaluate the impact of pollutional load. *International Journal of Pharmacology and Biological Sciences*, 2011, Vol: 5 No: 2
38. Panigrahi, A.K. and Dasgupta, S. (2011) Indigenous Fish species having Ornamental Value- A New Hope for Microenterprise Development. *Journal of Exploitory Animals and Medical Research*, Vol: 1, Issue: 2, December, 2011.
39. Panigrahi, A.K. and Kundu, A. (2011) ITK Adopted by the Fish Farmer to Control Diseases and Pest of Fishes. *Journal of Environment and Sociobiology*. Vol: 8(2), December issue, 2011.
40. Panigrahi, A.K. and Dasgupta, S. (2011) Activity of Pheromone in Fish and their Uses in Fish Culture - A Review. *Journal of Environment and Sociobiology*, Vol: 8(2), December issue, 2011.
41. Dipanjan Dutta, Sudeshna Banerjee, Ashis Kumar Panigrahi, *Method of Fish Drying- From Tradition to New Age*, 2024, IAPH, ISBN: 978-81-969828-9-8.
42. Somnath Das, Ashis Kumar Panigrahi, Krishnendu Roy, *Women's health and sustainable development*. Chapter – 16, 2023, Writers Row Publication, ISBN-978-93-95583-29-9.
43. Krishnendu Roy, Ashis Kumar Panigrahi, *Women's Empowerment Challenges and Strategies*. 2023, Writers Row Publication, Bangalore, ISBN-978-93-95583-29-9.
44. Soma Mukherjee, Jayanta Kumar Biswas, Neera Sen Sarkar, Ashis Kumar Panigrahi, *Vision Towards Environmentally Sustainable Future*, 2021, ISBN: 978-93-88879-80-4, University of Kalyani Publisher.
45. Ashis Kumar Panigrahi, Surajit Sur, *ROLE OF BIOINFORMATICS IN AQUACULTURE*, Chapter – 4, 2024, Chapter – 4, REDSHINE PUBLICATION, ISBN: 978-1-300-83234-8.
46. Sudeshna Banerjee, Ashis Kumar Panigrahi & Koushik Ghosh, *Ameliorating Nutritive Value of Plant-derived Aquafeed Ingredients by Application of Solid State Fermentation Technology*, 2023, ISBN No: 978-620-6-16685-6, 2023, LAP LAMBERT ACADEMIC PUBLISHING, United Kingdom.
47. Banerjee, A., Bhattacharjee, P., Panigrahi, A.K. and Manna, C.K. (2014) Studies on the Blood Pressure Level and Socio Demographic Factor Related with Hypertension within the Santal Tribal People (of Various Age groups) of the District Purulia, West Bengal, India. *Indian Journal of Biology*, Volume 1, Number 2, July-December 2014. Red Flower Publication Pvt. Ltd. ISSN: 2394-1391.
48. Dey, S., & Panigrahi, A.K. (2022). Water Quality Status Based on Physicochemical Parameters of Some Rivers in West Bengal, India. *Res. Jr. of Agril. Sci.* (Jan-Feb 2022) 13(1): 231–234.

49. Panigrahi, A.K A (2011) review on different types of aquatic pollution takes place in India and their solution. *Journal of Environment and Sociobiology*, Vol: 8(2), December issue, 2011.
50. Panigrahi, A.K. (2012) Analysis of the Non-Fisheries activities of the Co-operative fishers. *Tamilnadu Journal of Animal & Sciences* 8(1)1-5, January-February, 2012
51. Bakshi.A, Panigrahi, A.K. (2012) Studies on pollutional load and its effects on the diversity of fish food and fish-food organisms in Churni River, West Bengal- A survey. *Environ. Life Sci* (2012) 101-109 ISBN- 81-85543-11-9.
52. Dutta.C, Das.D, Panigrahi. A.K, Sengupta.C. (2012) The occurrence of *Vibrio parahaemolyticus* in shellfish obtained from retail market of Nadia district, West Bengal, India. *Adv.pharmacol.Toxicol.* Vol. 12 (3) 2011, 61-66.
53. Sahanawaz Alam SK and Panigrahi AK. (2012) Transformation efficiency of *E. coli* in response to different bivalent salts. *Journal of Research in Biology* (2012) 2(8): 704-710.
54. Panigrahi.A.K.(2012) A review on different types of aquatic pollution takes place in aquatic environment and their solution. *Environ.LifeSci* (2012) ISBN-81-85543-11-9 17-23.
55. Panigrahi, A.K. (2013) Effect of Mahua Oil cake on blood parameters of carps; *Catla catla*, *Labeo rohita*, *Cirrhinus mrigala*. *Journal of Asian Academic Research*. Vol:16(1), December-2013. ISSN 2319-2801.
56. Dhara, K., Panigrahi, A.K., Saha, N.C., Mukherjee, D., (2013) Evaluation of Acute Toxicity and Ethological Responses of Female *Clarias batrachus* (Linn.) Exposed to Cadmium. *Environment & Ecology*, 31(3A), Pages 1567-1570
57. Debnath.S, Panigrahi.A.K.(2013) Studies of some aspects of Ecology and impact of Avifaunal Diversity on Limnological parameters of flood plain wetlands of West Bengal, India. *BioSpectra*: Vol.8 (1) March, 2013, pp 51-56.
58. Panigrahi. A. K., Debnath, S., Bakshi, A., (2014) Studies on Water Quality with special reference to limnological characteristics of Kalyani Lake, West Bengal, India, *IJSR*: Vol. 3, Issue 2, Feb-2014, ISSN-2277-8179 pp.30-32.
59. Debnath,S. And Panigrahi,A.K., Studies on some physico-chemical properties of sediment and their role in productivity of two flood plain wetlands in west Bengal, India. *Indian journal of Applied Research*, ISSN no. 2249-555X, Impact factor-2.16, November, 2014.
60. Alam. S. S., Joardar, S. N., Panigrahi. A. K., Abraham, T. J., Mukherjee, S., Mukherjee, A., (2014). Immunobiochemical Characteristics of Purified Native Leptin Protein from Indian Major Carp, Rohu (*Labeo rohita* Ham.). *Open Journal of Immunology*, ISSN: 2162-450X 2014, 4, pp-139-147.
61. Mondal, J., Panigrahi, A. K., Khuda- Buksh, A. R., (2014). Low dose of ethanolic extract of *Boldo* (*Peumus boldus*) can ameliorate toxicity generated by cisplatin in normal liver cells of mice in vivo and WRL-68 cells in vitro, but not in cancer cells in vivo or in vitro. *Journal of integrated medicine*, ISSN no.2095-4964, ELSEVIER, Sept.2014, Vol-12, No.5.
62. Mondal, J., Panigrahi, A. K., Khuda- Buksh, A. R., (2014). Anticancer potential of conium maculatum extract cancer cells in vitro: Drug- DNA interaction and its ability to induce apoptosis through ROS generation. *Pharmacognosy Magazine*, Aug, 2014, ISSN: S524-S533.
63. Biswas,B.C., Panigrahi.A.K.(2014) Study of water Quality parameters in relation to pollutional load and fish-faunal diversity of Mathabhanga-Churni river in Indo Bangla Region, *Bioglobia*, Vol-1, Issue-Oct, 2014, ISSN:2349-5626.
64. Ashis Kumar Panigrahi, Somnath Das, *Inclusive Education- Global Perspectives.* 2022, *Inclusive Education: Perspectives, Practices and Challenges*, ISBN: 978-93-5506-203-1.

65. Panigrahi. A. K., Dasgupta. S., Mondal. A., (2014). Studies on faunal bio diversities and their impact on livelihood in Indian Sundarban area of West Bengal, Bioglobbia, p-67-73 Vol-1 no-2, Dec,2014ISSN no. 23495626.
66. Biswas,B.C.,Panigrahi.A.K.(2014)Studyofwaterqualityparametersinrelationtopollutionalloadand fishfaunaldiversityofMathabhanga–Churni River inIndo-Banglaborder region.BIOGLOBIAVol 1(1): 2014 ISSN NO: 2349-5626.
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10. List of Articles in popular magazines or newspapers:

Sl. No.	Date	Title	Name of Magazine/Newspaper
1.	May, 2000	Macch chaser somosya o pratikar	Bartaman Patrika
2.	April, 2004	Rangin maccher chash	Anandabazar Patrika
3.	May, 2005	Maccher rog o pratikar	Pratidin
4.	Oct, 2006	Integrated fish farming	Sciencenewsletter
5.	Nov, 2010	Macch chaser bivino dik	Pratidin
6.	Aug, 2021	Ganga river pollution	Times of India
7.	Aug, 2022	Pollution studies of different tributaries of Ganga River, West Bengal, India	Times of India

11. Participation and scholarly presentations in conferences (National):

Sl. No.	Date	Title of Conference or Institution	Title/Subject of presentation
1.	3-7 January, 1986	Indian Science Congress, Delhi University	Toxicity of some petroleum pollutants on fish, plankton, and mollusks
2.	3-7 January, 1987	Indian Science Congress, Bangalore University	Pollution Impact of oil refinery effluent on fish and fish food organisms

3.	1988	National symposium on Environmental Impacts on Animals and Aqua culture, Kalyani University	Acute toxicity of petroleum products, oil refinery effluent and crude oil to plankton, benthic organisms and fishes.
4.	1990	WBCADEandBCKV,1990. Calcutta	Use of bio-fertilizer for fish growth in rural Bengal. National Seminar on Integrated Farming System
5.	3-7 January1995.	Indian Science Congress, Jadavpur University	Field Studies on Impact of different Industrial Effluents on fish, Plankton and benthic Organisms.
6.	21-22 January2000	National conference on aquaculture and steps to maintain high production	Impact of training on Aquaculture
7.	16-17 February2004	National seminar on Prospect of Ornamental fish breeding in Eastern and Northeastern India	Problem and prospect of Ornamental fish farming in Assam
8.	18-19 th Nov 2000	Application of Biotechnology in Marine and Estuarine Environment Central Calcutta Science and Cultural organization	Study on the constraints prawn aqua farming with some suggestive note to step up production
9.	21-22 nd January2000	National conference on aquaculture and steps to maintain high production, Department of Aquaculture WBUAFS and Eastern India Horticulture and Biotechnology Centre, West Bengal	Influence of selective stocking of fish yield and its impact on rural economy
10.	30 th Oct-1 st Nov 2010	22 nd National Congress of Parasitology, Department of Zoology, Kalyani University	Areport on effective treatment with ciprofloxacin along with vitamin and E to EUS infected snake head fish, Ophiocephalus gachua, Hamilton 1822
11.	2012	Dept. of Advanced Zoology and Biotechnology, Guru Nanak College, Chennai	Conservation of Biodiversity
12.	23 rd to 25 th November2013	Biodiversity and its management for food, livelihood and environmental security .National Helminthological Congress, Zoological Society of India, Bodh Gaya and Dept of Zoology, KU	Ornamental fish culture and trade in West Bengal
13.	21 st -22 nd March, 2014	National Seminar on Current trends of Animal Science Research in India, North Orissa University, Baripada, Mayurbganj,Odissa	Anthropogenic pollution load on river Mathabhanga, Churni and its consequences on the fish diversity
14.	29 th -30 th , March2018	National seminar on Beach erosion and anthropogenic exploitation at coastalline of Odisha and its effects on OliveridleyseaTurtle Irrawaddy Dolphin and Fish population and its measures for conservation, Berhampur University. Odisha	Beach Erosion and anthropogenic exploitation at coastal line of Odisha and its effect on Olive Ridley turtle and fish population

12. Participation and scholarly presentations in conferences (Internationals):

Sl. No.	Date	Title of Conference or Institution	Title/Subject of presentation
1.	25 th -27 th July. 2009	International symposium on Environmental Pollution, Ecology and Human Health, Department of Zoology, S.V. University, Tirupati, A.P	A survey on east Kolkata wetland to evaluate the impact of pollution alload
2.	13 th -15 th February 2010	International Conference on Mother Earth Save it for future generation, University of Burdwan. Dept. Of Environmental Science	Prevalence of toxigenic E.coli in selfish samples in West Bengal
3.	13 th -15 th February 2010	International Conference on Mother Earth Saveit for future generation	Studies on Pollutional load of East Kolkata Wetland and its water quality parameters
4.	22 th -26 th Nov 2008	Internationalconferenceof8thIndianFisheriesForum, Asian fisheries Society of Indian branch, India	Present status of indigenous ornamental fish
5.	22 nd -26 th Sept 2010	International conference on aquaculture. World aquaculture Society, Phuket, Thailand	Beel fishery development of West Bengal, Its constraints and Effective Management
6.	2 nd - 4 th November, 2012	National Environmentalists Association, India in Collaboration with Ranchi University,	Anthropogenic Impact of Different Pollutants In River Churni, West Bengal and their conservation strategies
7.	29 th -31 st Jan., 2014	International Conference on Harnessing natural Resources for Sustainable Development Global Trends,	Studies on Biodiversity of Sunderban and its conservation strategy
8.	9 th -11 th June 2017	International symposium on Culture based Fisheries in Inland Open Waters Satellite Symposium on Fish Immunology, ICAR Central Inland Fisheries Research Institute, Barrackpore, West Bengal, India	Culture of Indigenous species through scientific approach
9.	22 nd -23 rd February 2018	International Conference on Advances in Environmental and Agricultural Biotechnology	Pollution Status of the Rivers of South Bengal-A critical review
10.	7 th -8 th December 2018.	21 st NationalConference andAGM2018.	Impact of pollution in Degradation of inlandlotic ecosystem of Southern part Of West Bengal
11.	24 th - 26 th February. 2020	6 th InternationalConferenceon Environment and Ecology University of Allahabad, Central University, Prayagraj, Uttar Pradesh	A study on pollutional status of river Bhagirathi Hooghly in the stretch of West Bengal, India
12.	5 th Sept, 2021	Higher Education and Research Summit at Kolkata, WestBengal.	Impact of River Pollutionin Fish Farming
13.	10 th Oct, 2021	International(Web) Conference on Recent Advances in Aquaculture (RAFA 2021), organized by Global Environment & Social Association, NewDelhi.	Pollutional status of Rivers in West Bengal

14.	15 th November, 2021	Aquaculture Society of Nepal	Aquaculture status in India and also received Fellow Award
15.	8 th - 12 th January, 2022	Bangladesh Zoological Society, Dhaka.	A study on pollutional status of river Bhagirathi Hooghly in the stretch of West Bengal, India and also received Fellow Award
16.	12 th January , 2023	International Benevolent Research Foundation and World Achievers Foundation, Kolkata, West Bengal	Received Fellow Award
17.	Feb.,2023	Academy of Science and Research, Kolkata.	Received Fellow Award
18.	March,2023	Global Warming Reduction Centre, Kolkata.	Received Fellow Award
19.	July,2023	9 th International Conference on Environment and Ecology of the University of Burdwan.	Environmental role in Pisciculture

13. Participation and contribution in National/International Forum in the area of Academic and Professional expertise:

		Number(s)
Plenary Lectures/Invited Talks	International	35
	National	80
Congresses attended	International	03
	National	08
	International	18
Examinership	National	170
	International	08
External in PhD Viva	International	12
	National	50

14. Research Projects:

Sl. No.	Client/Organization's Name	Nature of Project	Duration of Project	Amount of Grant(Rupees)
1.	Pirates India Ltd., New Delhi	Studies on low cost aquaculture development through application of rock phosphate as phosphate fertilizer in fish pond.	2002-04	2,00,000

2.	DST. Govt. of West Bengal	Technology transfer cum demonstration farm on duck cum fish farming for imparting training and farm advisory services To schedule caste, Schedule tribe and weaker section of West Bengal.	2005-07	9,00,000
3.	ICAR, New Delhi	Development of value added aquaculture products from underutilized fishes	2003-06	13,00,000
4.	UGC	An Approach to the Possible Mechanisms of Hypertension and the efficacy of some Herbal Medicines for the Treatment of Stroke and other Complicated Cardiovascular Diseases of the Santal Tribal People of West Bengal	2004-07	15,00,000
5.	DST. Govt of India	Cloning and developmental expression of the cytochrome 450 Arnotase gene cyp19 in a Carp Labeorohita	2015-18	32,70,000
6.	Biodiversity Board, Dept. Of Environment, Govt. of West Bengal	Study on the fish faunal biodiversity with ecological status of water bodies of Nadia and North 24 Parganas districts of West Bengal	2017-20	6,00,000
7.	DST, Govt. of West Bengal	Studies on the ecological status of East Kolkata Wetland with special reference to effect of Tannery Effluent on Fish and Food organisms	2016-21	18,42,400

15. Honors/Awards & Fellowships received for Outstanding Works:

Sl. No.	Name of Award/Fellowship etc.	Elected/ Honorary Fellow	Awarded By	Year of Award
1.	Lifetime achievement	Elected	Global warming Reduction Centre Kolkata Chapter	2023
2.	Shera Shikriti Awards, 2023	Elected	The University of Burdwan	2023
3.	Environmental Scientist	Elected	International Benevolent Research Foundation and World Achievers Foundation, Kolkata	2023
4.	Aquatic Scientist	Elected	Tally Academic Shera Sikriti Award	2022
5.	Shiksha Gourav Award	Elected	International Benevolent Research Foundation, Kolkata	2022
6.	Fellowship Award	Honorary	Bangladesh Zoological Society	2021
7.	Fellow award	Elected	Aquaculture Society of Nepal	2021
8.	Lifetime Achievement award	Elected	Confederation of Indian Universities, New Delhi	2021
9.	Fellowship of GESA as FGESA	Elected	Global Environment Social Association, New Delhi	2021
10.	Biodiversity Conservation Award,	Elected	International Benevolent Research Foundation Kolkata	2020

	2019			
11.	Clean Environment Education and Promotion Award	Elected	World Clean Environment Summit	2019
12.	Swami Vivekananda Excellence Award	Elected	Confederation of Indian Universities, New Delhi	2017
13.	Bharat Sikha Ratna Award	Elected	Confederation of Indian Universities, New Delhi	2016
14.	Eminent scientist of the year, 2015	Elected	ICEE, Kolkata Association of Indian Universities, New Delhi	2016
15.	Fellow award	Elected	Zoological Society of India,(FZSI)	2015
16.	Fellow award	Elected	Zoological Society of Kolkata (FZS, Cal)	2014
17.	Dr. G.K. Kulkarni Gold Medal Award	Elected	Aquaculture and Fisheries Organization, India	2013
18.	DR. V.R.P. Sinha Gold Medal Award	Elected	Zoological Society of India	2012
19.	Shiksha Sanman, 2021	Honorary	Rotary club of Burdwan South	2021

16. Number of Research Scholars successfully guided:

Sl. No.	Name of Award/Fellowship etc.	Elected/Honorary Fellow
1.	PostDoc	4
2.	Ph.D.	Guided-32,Awarded-28
3.	M.Phil	60

17. Scholar IDs:

- I. Google Scholar: <https://scholar.google.com/citations?hl=en&user=o6fIRbIAAAAJ>
 II. ORCID ID: 0000-0001-8104-5064
 III. Vidwan ID: 253621

18. Last five years achievements:

I. Details of research grant received by the Department/ Division (or faculty associated with the Department) from different agencies in the Last 5 years. Please provide details:

Name & Designation of the Project Investigator in the Department/ Division	Title of the Project and Total Duration	Amount sanctioned & year	Funding Agency
Dr. Ashis Kumar Panigrahi, Professor	Study on the fish faunal biodiversity with ecological status of water bodies of Nadia and North 24 Parganas districts of West Bengal; 2017-2020.	6,00,000 INR; 2017 – 2020.	Biodiversity Board, Dept. of Environment, Govt. of West Bengal.
Dr. Ashis Kumar Panigrahi, Professor	Studies on the ecological status of East Kolkata Wetland with special reference to effect of Tannery Effluent on Fish and Food organisms; 2016-2021.	18,42,400 INR; 2016 – 2021.	DST, Govt. of West Bengal.
Dr. Ashis Kumar Panigrahi, Professor	Development of novel pollutant detoxifying probiotic-fish feed using metagenomic marker probiotic and regional prebiotic food bio-resource.	29,20,00 INR; 2019-2022.	DST, Govt. of West Bengal.

II. Research and Innovation activities of the associated faculty, scholars and students as per the following table:

Name and Designation of the Faculty/ Scholar	Major Area of Research	No. of PhD Submitted and granted
Dr. Ashis Kumar Panigrahi	Ecotoxicology, Pollution Biology, Aquaculture & Fisheries, Conservation Biology.	32

III. Publications:

List of research publications in SCI Journals and Books (Last 5 years):

SL. No.	Name of the authors	Title of the paper/ Book-chapter/ Review	Year of publication; Journal details
1.	Ashis Kumar Panigrahi , Somnath Das.	Inclusive Education- Global Perspectives.	2022, Inclusive Education: Perspectives, Practices and Challenges, ISBN: 978-93-5506-203-1.
2.	Somnath Das, Ashis Kumar Panigrahi .	Life Skills and Value Education.	2022, Life Skills and Education, ISBN: 978-93-5506-202-4.
3.	Somnath Das, Ashis Kumar Panigrahi , Krishnendu Roy.	Stress and women health in Indian context.	2023, Empowerment of women.. Challenges and Opportunities, ISBN: 978-93-95583-28-2.
4.	Souvik Dhar, Arup Mistri*, Ashis Kumar Panigrahi .	Survey Studies for the Prevalence of Parasites from Commercially Edible Fishes in West Bengal, India.	2024, Indian J Biol 2024; 11(1):15-25. ISSN: 2394-1391.
5.	Palash Kumar Pal, Ashis Kumar Panigrahi .	Biology of Hilsa (Tenualosa ilisha) and Its perspective in Inland Fisheries, Chapter – 3.	2023, ISBNNo:978-620-6-16685-6,2023, LAP LAMBERT ACADEMIC PUBLISHING, United Kingdom.
6.	Soumalya Mukherjee, Ashis Kumar Panigrahi .	Biomarkers in Fish to screen Aquatic Pollution in River Ganges: A Review, Chapter – 8.	2023, ISBNNo:978-620-6-16685-6,2023, LAP LAMBERT ACADEMIC PUBLISHING, United Kingdom.
7.	Sudeshna Banerjee, Ashis Kumar Panigrahi & Koushik Ghosh.	Ameliorating Nutritive Value of Plant-derived Aquafeed Ingredients by Application of Solid State Fermentation Technology.	2023, ISBNNo:978-620-6-16685-6,2023, LAP LAMBERT ACADEMIC PUBLISHING, United Kingdom.
8.	Dipanjan Dutta, Sudeshna Banerjee, Ashis Kumar Panigrahi .	Method of Fish Drying- From Tradition to New Age.	2024, International Academic Publishing House (IAPH), ISBN: 978-81-969828-9-8.
9.	Somnath Das, Ashis Kumar Panigrahi , Krishnendu Roy.	Women's health and sustainable development. Chapter – 16.	2023, Writers Row Publication, Bangalore, ISBN-978-93-95583-29-9.

10.	Ashis Kumar Panigrahi And Sudeshna Banerjee.	Global education: concepts, global education policy and recent crisis.	2022, REDSHINE PUBLICATION, ISBN: 978-91-987662-4-0.
11.	Bhaskar Mahanayak, Ashis Kumar Panigrahi.	Present Status and Future Prospects of Primary Fishermen Co-operative Societies in Murshidabad District of West Bengal.	2024, ISBNNo:978-93-92800-29-0,GenesisGlobal Publication,Bhopal,462016, MP,India.
12.	Krishnendu Roy, Ashis Kumar Panigrahi.	Inclusive Education: Perspectives, Practices and Challenges.	2022,ISBNNo:978-93-5506-203-1, HSRA Publication, Bangalore.
13.	Krishnendu Roy, Ashis Kumar Panigrahi.	Women's Empowerment Challenges and Strategies.	2023, Writers Row Publication , Bangalore, ISBN-978-93-95583-29-9.
14.	Santanu Debnath, Ashis Kumar Panigrahi.	Biofloc: A Recent Trends in Aquaculture. Chapter – 7.	2023, ISBNNo:978-620-6-16685-6,2023, LAP LAMBERT ACADEMIC PUBLISHING, United Kingdom.
15.	Sukhendu Dey, Subhas Das, Ashis Kumar Panigrahi.	Modern Trends in Aquaculture Technology.	2023, ISBNNo:978-620-6-16685-6,2023, LAP LAMBERT ACADEMIC PUBLISHING, United Kingdom.
16.	Soma Mukherjee, Jayanta Kumar Biswas, Neera Sen Sarkar, Ashis Kumar Panigrahi.	Vision Towards Environmentally Sustainable Future.	2021, ISBN:978-93-88879-80-4, University of Kalyani Publisher.
17.	Avijit Bakshi and Ashis Kumar Panigrahi.	Evaluation of frequently used water quality indices (WQIs) depending on their effectiveness in measuring river pollution: A case study on River Churni, West Bengal.	2024, © International Academic Publishing House (IAPH), Dr. Nithar Ranjan Madhu, Dr. Tanmay Sanyal, Dr. Koushik Sen, Professor Biswajit (Bob) Ganguly and Professor Roger I.C. Hansell (eds.), A Basic Overview of Environment and Sustainable Development [Volume: 3], pp. 292-304. ISBN: 978-81-969828-3-6. DOI: https://doi.org/10.52756/boesd.2024.e03.020 .
18.	Sanjana Lahiri, Shreyosi Dey, Susmita Lahiri, Ashis Kumar Panigrahi	MICROBIAL DIVERSITY AS AN ECOLOGICAL SIGNATURE FOR EUTROPHICATION MANAGEMENT, Chapter – 1.	2024,Chapter – 1, REDSHINE PUBLICATION,ISBN: 978-1-300-83234-8.

19.	Ashis Kumar Panigrahi , Surajit Sur.	ROLE OF BIOINFORMATICS IN AQUACULTURE, Chapter – 4.	2024,Chapter – 4, REDSHINE PUBLICATION,ISBN: 978- 1-300-83234-8.
20.	Somnath Das, Ashis Kumar Panigrahi , Rose Mary Stiffin, Jayanta K. Das.	Life as Basic Science: An Overview and Prospects for the Future, Volume: 1.	2024, International Academic Publishing House (IAPH), ISBN: 978-81-969828-9-8.
21.	Shamim Hossain Mandal, Pushmita Halder and Ashis Kumar Panigrahi .	Bioremediation of Heavy Metals by Microbial Process.	2024, © International Academic Publishing House (IAPH), Dr. Somnath Das, Dr. Ashis Kumar Panigrahi, Dr. Rose Stiffin and Dr. Jayanta Kumar Das (eds.), Life as Basic Science: An Overview and Prospects for the Future Volume: 1, pp. 48-56. ISBN: 978-81- 969828-9-8 doi: https://doi.org/10.52756/lbso pf.2024.e01.005.
22.	Bakshi, A & Panigrahi, AK .	Chromium contamination in soil and its bioremediation: An overview.	2022,Advances in Bioremediation and Phytoremediation for Sustainable Soil Management: Principles, Monitoring and Remediation, pp.229-248, doi.org/10.1007/978-3- 030-89984-4_15 .
23.	Bakshi, A & Panigrahi, AK .	Study on Climate Change and Its Impact on Coastal Habitats with Special Reference to Ecosystem Vulnerability of the Odisha Coastline, India.	2022,In Applied Geomorphology and Contemporary Issues (pp. 475-497). Cham: Springer International Publishing.In (2022: 475–497), doi.org/10.1007/978-3- 031-04532-5_25 .
24.	Debsena Garai, Irani Sahu, Ashis Kumar Panigrahi , Sohan Das.	Social Sustainability In Times Of Crisis: Pathways For Adaptation And Resilience.	2024, REDSHINE PUBLICATION, ISBN: 978- 91-7308- 077-4.

25.	Ashis Kumar Panigrahi , Sohan Das.	Global Perspectives On Sustainable Development: Integrating Education, Environment, And Social Change.	2024, REDSHINE PUBLICATION, ISBN: 978-1-300-83234-8.
26.	Patanaik, S*, Leelaveni, A., & Panigrahi, A. K.	Eco-physiological studies of red mud waste discharged from Alumina Industry on a crop plant under laboratory-controlled conditions and its toxicological significance.	2023, Int. Journal of Creative research Thoughts, ISSN: 2320-2882.
27.	Das, S., Dey, S., Ghosh, D.D., Panigrahi, A. K* .	Comparative study on physico-chemical parameters of water, zooplankton and macrophytes diversity under the exposure of farm-made prebiotics in a semi-intensive aqua-farming system.	2023, Environment and Ecology 41(4), 2411—2421. ISSN 0970-0420.
28.	Ghosh, P*, & Panigrahi, A.K.	Evaluation of water quality of Mundeswari River in eastern India: a water quality index (WQI) based approach.	2023, Journal of Applied and Natural Science, 15(1), 379-390, DOI: https://doi.org/10.31018/jans.v15i1.4340 .
29.	Patnaik, S*, Leelaveni, A., & Panigrahi, A. K.	Impact of leachate chemicals of red mud waste of Alumina industry: its toxicity, impact on photosynthetic efficiency and production of a crop plant.	2022, Env. & Cons, 28, S340-S345. DOI: 10.53550/EEC.2022.v28i06s.0056.
30.	Ghosh S, Bhattacharya A, Panigrahi A. K* .	Impact of second wave of Covid-19 Pandemic on Environment.	2022, Scientific Research Journal of Clinical and Medical Sciences. ISSN Print: 2788-8843 ISSN Online: 2788-8851. DOI: 10.47310/srjcms.2022.v02i01.008.
31.	Bakshi, A., & Panigrahi, A. K.	Chromium contamination in soil and its bioremediation: an overview.	2022, Advances in Bioremediation and Phytoremediation for Sustainable Soil Management: Principles, Monitoring and Remediation,

			229-248.DOI:10.1007/978-3-030-89984-4_15.
32.	Tripathy, A. P., Dixit, P. K., &Panigrahi, A. K*.	Impact of effluent of Pulp & Paper industry on the flora of river basin at Jaykaypur, Odisha, India and its ecological implications.	2022, Environmental Research, 204, 111769.DOI: https://doi.org/10.1016/j.envres.2021.111769 .
33.	Bhattacharya, S., Rout, S. K., &Panigrahi, A. K.	Physicochemical parameters and heavy metal chromium concentration in fish culture ponds of east Kolkata wetlands and their effects on fish health.	2022, Journal of Experimental Zoology India, 25(2).ISSN: 0972-0030.
34.	Sahoo, B*, Panigrahi, A.K., &Behera, S.	Freshwater Aquaculture in Kandhamal District- Prospects and Potentials.	2021, Journal of Aquaculture, 29-36.DOI:10.61885/joa.v29.2021.267.
35.	Eiras, J. C., Barman, G. D*, Chanda, S., &Panigrahi, A. K.	An update of the species of Myxosporea(Cnidaria, Myxozoa) described from Indian fish .	2023, Journal of Parasitic Diseases, 47(1), 12-36. DOI: 10.1007/s12639-022-01558-3.
36.	Bhattacharya, S., Rout, S.K*, & Panigrahi, A.K.	Bioassay study of effluents: a potential threat to cultured fish (Labeo rohita) released in East Kolkata Wetlands, West Bengal, India.	2022, Journal of Experimental Zoology India, 25(1).ISSN: 0972-0030.
37.	Mahanayak, B*, and Panigrahi, A.K.	Sustainable Management of the Aquatic Ecosystem and the Fishermen Cooperative Societies in India: A Brief Review.	2021, Uttar Pradesh Journal of Zoology, Vol-42, Issue-16 (2021). ISSN: 0256-971X (P).
38.	Ghosh P*, Dutta M, &Panigrahi A. K.	Behavioural Biomarker Responses of <i>Filopaludina bengalensis</i> to Acute Copper Toxicity.	2021, Curr World Environ, 16(1), 227-235. DOI: http://dx.doi.org/10.12944/CWE.16.1.23 .

39.	Mahanayak,B*.,and Panigrahi,A.K.	Water Quality Parameters, Checklist of Fishes And Sustainable Management Of Aquatic Resources In Floodplain Wetlands: The Study of Solua Beel And PaharpurFcsOfMurshidabad DistrictOfWestBengal,India.	2021, UttarPradesh JournalofZoology.42(24): 609-618, 2021. ISSN: 0256-971x (P).
40.	Ashis Kumar Panigrahi* , Surajit Sur.	Empowerment of Women in Aquaculture.	2023, Indian J Biol 2023; 10(2):75–85. ISSN: 2394-1391. DOI: http://dx.doi.org/10.21088/ijb.2394.1391.10223.3 .
41.	Panigrahi,A.K. ,Pal,P.K.,&Sarkar,D*.	MelatoninasanAmeliorative AgentAgainstCadmium- and Lead-Induced Toxicity in Fish: an Overview.	2024, Applied Biochemistry and Biotechnology, 1-31.DOI: 10.1007/s12010-023-04723-3.
42.	Mahanayak,B*.,and Panigrahi,A.K.	Sustainablemanagementoffishermen-co-operativesocieties in India: A review.	2021, International Journal of Fisheries and Aquatic Studies, Vol-9, /Issue-3 (2021).E- ISSN: 2347-5129, P-ISSN: 2394-0506.
43.	Gautam Patra*, Subhamoy Ghosha, Biswadeep Behera, Sonjoy Kumar Borthakur, Basanta Saikia, Pinaki Bhattacharyay, Rahul Singh Arya, Ashis kumar Panigrahi , Sk Sahanawaz Alam, Apurba Debbarma and Ishita Maity.	Investigation of tick-borne pathogens by conventional and molecular techniques in cattle of North-Eastern region of India.	2021, Cattle Practice,29(8) 2021, IF 1.056. ISSN: 0969-1251.
44.	Asmita Samadder*, Swatilekha Das, Bakul Pal, Sweta Das , Anindita Mandal, Priyanka Biswas, Sujoy Ghosh, Shami m Hossain Mandal, Priyanka Sow, Ruchira Das, Souvik Biswas, Ashis Kumar Panigrahi .	Firstreportonchlorophyllintoprotectmammalianandfishmusclecellsfrom pesticide toxicity via activation of p53 and PARP.	2021, Aquaculture and Fisheries, 6(4), pp.393-399. Doi: https://doi.org/10.1016/j.aaf.2020.07.008 .

45.	Bakshi A., Bag S., Debnath, S., Panigrahi A.K* .	A Review on Potential Role of Anaerobic Bacteria as Fish Pathogens. Kala Sarovar.	2020, (UGC Care Group-1 Journal). ISSN: 0975-4520. Vol-23 No.04(J) October-December 2020.
46.	Kishore Dhara* , Shubhajit Saha, Asish Kumar Panigrahi* , Nimai Chandra Saha.	Sensitivity of the freshwater trophic oligochaete, Branchiura sowerbyi (Beddard, 1892) to the grey list metal, Zinc.	2020, International journal of life sciences. 8(1):93-101. ISSN: 2320-7817(p) / 2320-964X(o).
47.	Kishore Dhara, Shubhajit Saha, Prasenjit Pal, Azubuike V. Chukwuka, Asish Kumar Panigrahi , Nimai Chandra Saha, Caterina Faggiolo*.	Biochemical, physiological (haematological, oxygen-consumption rate) and behavioural effects of mercury exposures on the freshwater snail, <i>Bellamya bengalensis</i> .	2021, Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, 251, 109195. DOI: 10.1016/j.cbpc.2021.109195.
48.	Gyan Deb Barman, Sukanya Chanda, Ashis Kumar Panigrahi and J. C. Eiras*	Synopsis of tailed Myxobolidae (Cnidaria, Myxozoa, Myxosporea) infecting Indian fishes.	2022, Folia Parasitol. 69: 030. doi: 10.14411/fp.2022.030.
49.	Ashis Kumar Panigrahi* , Avijit Bakshi and Subhasini Pattanayak.	A comprehensive review on the uptake by and accumulation of some heavy metals in fresh water fishes.	2021, Biosc. Biotech. Res. Comm, 14(1), 10-21786. http://dx.doi.org/10.21786/bbrc/14.1/55 .
50.	BHASKAR MAHANAYAK* AND ASHIS KUMAR PANIGRAHI .	Environmental Pollution and Fish Mortality at Chaltabeel, a wetland under Fishermen Co-operative Society in Murshidabad district of West Bengal.	2020, Uttar Pradesh Journal of Zoology, Vol. Issue. Vol-42, Issue-16. ISSN: 0256-971X (P).
51.	Sanjay Dey* and Ashis Kumar Panigrahi .	Statistical analysis of hydro-physicochemical parameters of river Rupnarayan, India.	2021, Uttar Pradesh Journal Of Zoology, 42 (24), 148-158. ISSN: 0256-971X (P).

52.	Sanjay Dey* and Ashis Kumar Panigrahi.	Diversity of plants on the bank of river Rupnarayan, India.	2021, Eco. Env. & Cons. 27 (October Suppl. Issue) : 2021; pp. (S409-S414), ISSN 0971-765X.
53.	Sukanya Chanda, Ashis Kumar Panigrahi* , Gyan Deb Barman.	First Record of Chilodonella hexasticha from Botia rostrata from Arunachal Pradesh, India with a SEM Study.	2022, Indian J Biol 2022; 9(1):18-22. ISSN: 2394-1391, DOI: http://dx.doi.org/10.21088/ijb.2394.1391.9122.3 .
54.	Sanjay Dey* and Ashis Kumar Panigrahi.	Current status and diversity of ichthyofauna in the river Rupnarayan.	2023, Res. Jr. Agril. Sci. 14(6): 1933-1936. ISSN: 0976-1675 (P) ISSN: 2249-4538 (E).
55.	Das, Sanjoy*& Panigrahi, Ashis.	Assessments of Coal-Based Thermal Power Plant Effluents affect Physicochemical Factors of the Bhagirathi-Hooghly River, West Bengal.	2023, West Bengal. Biological Forum – An International Journal, 15(3): 169-175. ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239.
56.	Das, Sanjoy*& Panigrahi, Ashis.	Risk in Loss of Aquatic Diversity from Coal Based Thermal Power Plant Effluents: A Review.	2021, Res. Jr. of Agril. Sci, 12(4): 1449-1453. P- ISSN: 0976-1675 E- ISSN: 2249-4538.
57.	Sanjay Dey* and Ashis Kumar Panigrahi.	WaterQualityStatusBasedon PhysicochemicalParameters ofSome Rivers in West Bengal, India.	2022, Res. Jr. of Agril. Sci. (Jan-Feb 2022)13(1): 231-234. P- ISSN: 0976-1675.,E- ISSN: 2249-4538.
58.	Ipsita Paul, Ashis Kumar Panigrahi , Soumendranath Chatterjee and Subhendu Datta.	Paul I, Panigrahi A. K, Chatterjee S, Datta S*. Response of Differential Application Frequency of Poultry Litter on Mineralization Potential in Fish Culture Tanks with Special Reference to the Abundance of Ammonia Oxidizing Bacteria and Fish Growth.	2020, Biosc. Biotech. Res. Comm. 2020;13(2). P-ISSN: 0974-6455 E-ISSN: 2321-4007.
59.	Sanjay Dey* and Ashis Kumar Panigrahi.	Socioeconomic condition of fishermen community residing on the bank of river	2024, International Journal of Fisheries and Aquatic Studies 12, 51-55

		Rupnarayan.	doi.org/10.22271/fish.2024.v12.i6a.2995.
60.	Sanjay Dey* and Ashis Kumar Panigrahi.	Ichthyo-Diversity in different rivers of West Bengal, India: Status and conservation strategy.	2022, International Journal of Fisheries and Aquatic Studies 10, 119–124 doi.org/10.22271/fish.2022.v10.i1b.2630.
61.	Ipsita Paul, Ashis Kumar Panigrahi, Subhendu Datta*.	A New dimension for empowerment of rural women through intervention of small-scale integrated duck-cum-fish farming in homestead ponds.	2020; Bulletin of Environment, Pharmacology and Life Sciences, 10(10), IF 0.876. Online ISSN 2277-1808.
62.	Souvik Biswas, Pushmita Halder, Santanu Debnath*, Pratyush Ghosh and Ashis Kumar Panigrahi.	An Assessment of Chromium (VI) induced Toxicity in Common Freshwater Fish Anabas testudineus (Bloch, 1792).	2023; Biological Forum – An International Journal, 15(5): 578-584. ISSN No. (Print): 0975-1130 ISSN No. (Online): 2249-3239.
63.	IPSITA PAUL, ASHIS KUMAR PANIGRAHI, SUBHENDU DATTA*.	Influence of Nitrogen Cycle Bacteria on Nitrogen Mineralisation, Water Quality and Productivity of Freshwater Fish Pond: A Review.	2020; Asian Fisheries Science. ISSN: 0116-6514. E-ISSN: 2073-3720. https://doi.org/10.33997/j.afs.2020.33.2.006 .
64.	Bhakta J.N*., Bhattacharya S., Lahiri S., Panigrahi A.K.	Probiotic characterization of arsenic-resistant lactic acid bacteria for possible application as arsenic bioremediation tool in fish for safe fish food production. Probiotics and Antimicrobial Proteins.	2022, Probiotics and Antimicrobial Proteins, DOI: https://doi.org/10.1007/s12602-022-09921-9 , IF 4.609.
65.	Bhattacharya S., Bhakta J.N*., Lahiri S., Panigrahi A.K.	Evaluation of colonization properties of probiotic bacteria in intestinal milieu and fish growth promotion for selecting the potential probiotic.	2021, The Journal of Basic and Applied Zoology, DOI: 10.2174/0126666499321747241108045608.

IV: Book Authored:

Sl. No.	Book Authored	Book Details
1.	Vision of Environmental Sustainability on 2021.	2021, ISBN: 978-93-88879-80-4, University of Kalyani Publisher.
2.	Modern Trends in Aquaculture	2023, ISBN No: 978-620-6-16685-6,

	Technology.	2023, LAB LAMBERD ACADEMIC PUBLISHING, United Kingdom.
3.	Mach Chaser Samosya O Pratikar (In Bengali language).	2023, LAP LAMBERT Academic Publishing, ISBN: 81- 86966-53 6, Arpita Prakashani, Kolkata.
4.	Modern Trends In Aquaculture Technology, Lambert Academy Technology, London.	2023, LAP LAMBERT Academic Publishing, ISBN-978-620-6-16685-6.
5.	Biofloc: A Recent Trends in Aquaculture. Modern trends in aquaculture Technology.	2023, LAP LAMBERT Academic Publishing. ISBN- 978-620-6-16685-6.
6.	Impact of avifaunal aggregation on physico- chemical parameters of water of a flood-plain wetland of West Bengal, India. Biodiversity Conservation: Strategies and Applications.	2022, South Eastern Book Agencies. ISBN- 978-81-937-3274-8.
7.	Studies on ecology and diversity of plankton in relation to physico-chemical characteristics of water of a flood-plain wetland in West Bengal, India.	2020, Proc. UGC SAP. Nat. Sem, ISBN: 978-81- 932401-2-0.
8.	Ecology and zooplankton diversity of a flood-plain wetland in West Bengal, India.	2022, Proc. Nat. Con. Cha. Bio. Res. Man. ISBN 978-81-927762-0-0.
9.	Karma Sansthaner Lokhye Jolojo Fosol O Machh- Chash (In Bengali language).	2023, ISBN NO: 978-81-962456-8-9, Mehanati Prakashani, Kolkata
10.	Present Status and Future Prospects of Primary Fishermen Co-operative Societies in Murshidabad District of West Bengal.	2023, ISBN No: 978-93-92800-29-0, Genesis Global Publication, Bhopal, 462016, MP, India.
11.	Gramin Arthoniti Unnoyone Mach Chash (In Bengali language) 2020.	2020, ISBN No: 8183593-46-3, Prava Prashani, Kolkata.
12.	Education for Sustainable Tomorrow: Unveiling the National Education Policy 2020 2024.	2024, Writers Row Publication, Bangalore.

V. Book Edited:

Sl. No.	Book Edited	Book Details
1.	Women's Empowerment Challenges and Strategies, 2023.	2023, Writers Row Publication, Bangalore, ISBN-978-93-95583-29-9.
2.	Inclusive Education: Perspectives, Practices and Challenges, 2022.	2022, ISBN No: 978-93-5506-203-1, HSRA Publication, Bangalore.
3.	Life Skills Education , 2022.	2022, ISBN No: 978-93-5506-202-4, HSRA Publication, Bangalore
4.	Empowerment of Woman Challenges and Opportunities.	2023, Writers Row Publication, Bangalore, ISBN- 978-93 95583-28-2, 2023
5.	Social Sustainability in Times of Crisis: Pathways for Adaptation and Resilience, 2024.	2024, Red'Shine Publication, Anand, Gujarat, 388120, India. ISBN No: 978-91-7308 077-4
6.	Life as Basic Science: An Overview and Prospects for the Future, Volume:01, 2024.	2024, International Academic Publishing House (IAPH), ISBN: 978-81-969828-9-8.
7.	Global Perspectives On Sustainable Development: Integrating Education, Environment, And Social Change.	2024, REDSHINE PUBLICATION, ISBN: 978-1-300-83234-8.
8.	Social Sustainability In Times Of Crisis: Pathways For Adaptation And Resilience.	2024, REDSHINE PUBLICATION, ISBN: 978-91-7308- 077-4.

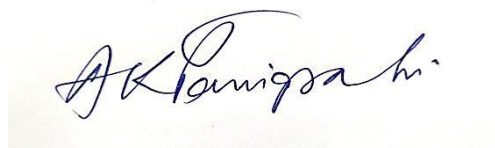
VI. Important MoUs formulated for Academic Collaborations (2020 – 2025):

Sl.No	MoUs formulated	Name of Agencies/Departments involved	Year of MoU
1.	For collaborative research, exchange programme, research material, project development in diverse areas of Zoological Science including Organism biology, Molecular Systematic, cataloguing and applied Zoology	Zoological Survey of India	2023
2.	GNNS laboratory in Burdwan, GLB for a state of art facility for publications, student internship, IRNSS or NavIC software development	Space Application Centre SAC, ISRO, India	2023
3.	For joint publication, data sharing and research	Shivaji University, Kolhapur, India	2021

VII. Honors/Awards & Fellowships received (2020 - 2025):

Sl. No.	Name of Award/Fellowship etc.	Elected/Honorary Fellow	Awarded by	Year of Award
1.	Life time achievement	Elected	Global warming Reduction Centre Kolkata Chapter	2023
2.	Shera Shikriti Awards, 2023	Elected	The University of Burdwan	2023
3.	Environmental Scientist	Elected	International Benevolent Research Foundation and World Achievers Foundation, Kolkata	2023
4.	Aquatic Scientist	Elected	Tally Academic Shera Sikriti Award	2022

5.	Shiksha Gourav Award	Elected	International Benevolent Research Foundation, Kolkata	2022
6.	Fellowship Award	Honorary	Bangladesh Zoological Society	2021
7.	Fellow Award	Elected	Aquaculture Society of Nepal	2021
8.	Lifetime Achievement Award	Elected	Confederation of Indian Universities, New Delhi	2021
9.	Fellowship of GESA as FGESA	Elected	Global Environment Social Association, New Delhi	2021
10.	Biodiversity Conservation Award, 2019	Elected	International Benevolent Research Foundation Kolkata	2020
11.	Shiksha Sanman,2021	Honored	Rotary club of Burdwan South	2021



Signature

Prof. (Dr.) Ashis Kumar Panigrahi