

Two-Day NATIONAL CONFERENCE ON SUSTAINABLE HEALTH SCIENCE FOR FUTURE GENERATIONS

28th - 29th April, 2022

Venue
DEPARTMENT OF PHYSIOLOGY
KALYANI UNIVERSITY, WEST BENGAL

Organized by



THE DEPARTMENT OF PHYSIOLOGY
KALYANI UNIVERSITY

In Collaboration with



THE INDIAN SCIENCE CONGRESS ASSOCIATION (ISCA)
KOLKATA CHAPTER

About The University

Kalyani University is an affiliating State Public University established in 1960. It is one of the oldest State Universities in the State of West Bengal. The Kalyani University achieved Grade A (3.12) rank in 2016 NAAC accreditation in its 3rd cycle of accreditation. As per 2016 NAAC accreditation, Kalyani University stood 3rd position amongst all Universities in the State. As a multidisciplinary Research University, the University offers 39 Master's and Doctoral programs under the aegis of six different faculties in the University. The University consists of 50 (fifty) affiliated General Degree Colleges (49 State Aided Colleges and 01 Private College), 4 (four) UG Law Colleges (Private), 2 (two) Paramedical Institutions (Private) and 2 (two) BPED Colleges (Private) from the districts of Nadia, Murshidabad, North 24 Parganas and Kolkata. Affiliating Colleges of the University offers 32 Bachelor programs (Honours and General) in UG curriculum of the University. Besides, Directorate of Open and Distance Learning of the University offers Master's program in 8 (eight) different subjects under ODL curriculum. Certainly, Kalyani University is going to achieve the best rank in coming 4th cycle NAAC accreditation system which is due with effect from 2021-2022.



About The Department

The Department of Physiology under the Faculty of Science was established in 2005. Within a very short span, the Department has identified as one of the distinguished Departments in the University, considering its infrastructure, contribution of the faculties, research publications and placement of graduates. No doubt, it may be rated one of the best Physiology Departments amongst Universities in our State. Right now, the Department offers Doctoral and Post doctoral programs, apart from the Master's program.

About The ISCA

The Indian Science Congress Association (ISCA) is a premier scientific organization of the country established in 1914. ISCA has been promoting science and inculcating the spirit of science through its multifarious activities. ISCA meets in the first week of January in an Annual Congress of scientists, science administrators, policy makers and the general public to give a stronger impulse and a more systematic direction to the scientific inquiry, to promote the interaction of societies and individuals interested in science in different parts of the country and to obtain a more general attention to the objects of pure and applied sciences. ISCA brings together scientists both from India and abroad for mutual interaction in the cause of national development.



Patrons



Professor (Dr) Vijay Laxmi Saxena,
General President
Indian Science Congress Association



Professor (Dr) Manas Kumar Sanyal,
Hon'ble Vice-Chancellor
Kalyani University



Professor (Dr) Ashok Kumar Saxena,
Past General President
Indian Science Congress Association

Advisory Committee

- Professor (Dr) S. Ramakrishna, General Secretary (Membership Affairs), ISCA
- Professor (Dr) Anoop Kumar Jain, General Secretary (Scientific Activities), ISCA
- Professor (Dr) Sheo Satya Prakash, Treasurer, ISCA
- Professor (Dr) Debansu Ray, Registrar, Kalyani University
- Dr Bimalendu Biswas, Controller of Examinations
- Shri Mridul Kundu, Finance Officer
- Professor (Dr) Keka Sarkar, Dean of Science
- Professor (Dr) Amalendu Bhunia, Dean of Arts & Commerce
- Professor (Dr) Debprasad Sikdar, Dean of Education
- Professor (Dr) Nanda Kumar Ghosh, Director, IQAC
- Professor (Dr) Rita Ghosh, Coordinator, DST-PURSE
- Professor (Dr) Tapati Chakraborty, Director, DODL
- Dr Rana Ghosh, Dean of Students' Welfare
- Dr Asitabha Das, Librarian-in-Charge, Central Library
- Shri Sarit Banik Choudhury, University Engineer
- Dr Ishan Ghosh, Medical Officer
- Dr Ujjal Marjit, System-in-Charge, CIRM
- Shri Anjan Kumar Das, AAO
- Dr Indrani Karar, Deputy Registrar
- Shri Subhas Chakrabarti, Deputy Controller of Examinations
- Dr B.K.Dey, Development Officer
- Dr Iman Sengupta, Assistant Registrar-II
- Dr Sukanta Majumder, Assistant Controller of Examinations
- Shri Nilanjan Chowdhury, Accounts Officer
- Dr Dipa Roy, Assistant Librarian
- Mrs Sanhita Roy Acharya, Assistant Engineer
- Shri Satyam Baidya, Law Officer
- Mrs Minakshi Sarkar, Secretary, UG Councils
- Shri Dipansu Mondal, Programmer, CIRM
- Shri Anjan Kumar Dutta, University Staff Member
- Shri Bikash Acharya, University Staff Member
- Shri Manaj Kayal, University Staff Member
- Shri Manoj Kumar Singh, University Staff Member
- Shri Susanta Majumder, University Staff Member
- Shri Faruque Ahamed, Former Asst. Director, DODL, Office Coordinator, Dept. of Chemistry
- Shri Soumendranath Mondal, University Staff Member
- Shri Shibotosh Ghosh, University Staff Member
- Smt Mourisha Roy, Research Scholar
- Shri Rahul Biswas, Research Scholar

Organizing and Program Committee

- **Professor (Dr) Manoj Kumar Chakrabarti**, **Convener**,
ISCA Kolkata Chapter and Past General President, ISCA
- **Professor (Dr) Ananga Mohan Chandra**, **Treasurer**, ISCA Kolkata Chapter
- **Professor (Dr) Nibedita Chakrabarti**, **E C Member**, ISCA
- **Professor (Dr) Goutam Paul**, Pro-Vice-Chancellor, Kalyani University,
Sectional President, Section of Medical Sciences (including Physiology),
108th Session of Indian Science Congress-**Chairman**
- **Dr Subhashis Sahu**, Head & Associate Professor, Department of Physiology, Kalyani University- **Secretary**

- **Dr Lakshmishri Lahiry**, Assistant Professor, Department of Physiology, Kalyani University- Assistant Secretary
- **Dr Pinaki Chattopadhyay**, Secretary, FC (PG) - Treasurer
- **Dr Kaushik Sarkar**, Assistant Professor, Krishnagar Govt. College - Asst. Treasurer (1st)
- **Shri Sourapriya Mukherjee**, University Research Scholar (Sr) - Asst. Treasurer (2nd)
- **Professor (Dr) Angshuman Bagchi**, Head, Department of Biochemistry and Biophysics
- **Dr Malay Adak**, Head, Department of Botany
- **Professor (Dr) Surajit Chattopadhyay**, Head, Department of Chemistry
- **Professor (Dr) Soma Mukherjee**, Head, Department of Environmental Science
- **Dr Tarun Kumar Mondal**, Head, Department of Geography
- **Dr Animesh Biswas**, Head, Department of Mathematics
- **Professor (Dr) Samir Kumar Mukherjee**, Head, Department of Microbiology
- **Dr Tanima Saha**, Head, Department of Molecular Biology and Biotechnology
- **Dr Sudipta Pal**, Head, Department of Physics
- **Professor (Dr) Chandranath Pal**, Head, Department of Statistics
- **Professor (Dr) Koushik Mandal**, Head, Department of Zoology
- **Dr Jatindra Nath Bhakta**, Head, Department of Ecological Studies
- **Professor (Dr) Anirban Mukhopadhyay**, Head, Department of Computer Science & Engineering
- **Professor (Dr) Satyajit Dhar**, Head, Department of Business Administration
- **Dr Shrinka Basu**, Head, Department of DETS
- **Professor (Dr) Prasenjit Deb**, Head, Department of Lifelong Learning and Extension
- **Professor (Dr) Prabir Pramanik**, Head, Department of Bengali
- **Professor (Dr) Pradip Kumar Samanta**, Head, Department of Commerce
- **Professor (Dr) Byasdeb Dasgupta**, Head, Department of Economics
- **Dr Baishali Hui**, Head, Department of English
- **Professor (Dr) Sujay Kumar Mandal**, Head, Department of Folklore
- **Dr Subhas Biswas**, Head, Department of History
- **Dr Minakshi Sarkar**, Head, Department of Modern Language
- **Professor (Dr) Parthasarathi Mukhopadhyay**, Head, Dept of Library & Information Science
- **Dr Shiladitya Chakraborty**, Head, Department of Political Science
- **Professor (Dr) Partha Sarathi De**, Head, Department of Sociology
- **Dr Kuheli Biswas**, Head, Department of Philosophy
- **Dr Anindya Bandyopadhyay**, Head, Department of Sanskrit
- **Dr Sudipta Sarkar**, Head, Department of Rural Development Studies
- **Dr Biva Kumari**, Head, Department of Hindi
- **Dr Susanta Sarkar**, Head, Department of Physical Education
- **Professor (Dr) Debjani Guha**, Head, Department of Education
- **Dr Nihar Mishra**, AIIMS, Kalyani
- **Dr Sushil Chandra Biswas**, Retired Medical Officer, Gandhi Hospital, Kalyani
- **Dr Sharadindra Chakraborty**, Associate Professor & Head, Dept. of Geology, SNGGDC College for Girls
- **Dr Kumkum Basu**, Guest Faculty, Department of Physiology, KU
- **Dr Maitrayee Banerjee Mukherjee**, Asst. Professor, Krishnagar Government College
- **Dr Dolon Das**, Asst. Professor, Kalyani Mahavidyalaya
- **Dr Smritiratan Tripathy**, Asst. Professor, Berhampore Girls' College
- **Dr Kamalesh Das**, Asst. Professor, Uluberia College
- **Dr Atanu Saha**, Asst. Professor, S. N. G. D. College for Girls
- **Shri Dipankar Majumder**, Asst. Professor, Barrackpore Rastraguru Surendranath College
- **Dr Amit Ghati**, Asst. Professor, Barrackpore Rastraguru Surendranath College
- **Dr Diptendu Sarkar**, Asst. Professor, Ramkrishna Mission Vidyamandira, Belur
- **Dr Partha Pratim Nath**, Asst. Professor, Kaliganj Government College
- **Dr Mukti Mondal**, Asst. Professor, Berhampore Krishnath College
- **Dr Mousumi Dutta**, Asst. Professor, Government General Degree College, Kharagpur II
- **Dr Santu Durlav**, Asst. Professor, Bangabasi College
- **Dr Sanghamitra Pal**, PDF, Department of Physiology
- **Dr Dipanwita Dasgupta**, Technical Asst, Office of Pro Vice-Chancellor
- **Shri Tapes Dey**, Office Staff Member, Department of Physiology
- **Shri Kanu Gopal Biswas**, Office Staff Member, Department of Physiology
- **Shri Avijit Chakraborty**, Office Staff Member, Department of Physiology
- **Smt Poppy Dey**, Office Staff Member, Department of Physiology
- **Shri Suroj Basfore**, Office Staff Member, Department of Physiology
- **Shri Suresh Kumar Biswas**, University Staff Member
- **Shri Swapan Biswas**, University Staff Member



WELCOME TO KALYANI UNIVERSITY !

On behalf of the Kalyani University and the Department of Physiology, I have the honor to invite all Scientists working in the field of Health Sciences and inter-connected disciplines to participate in the NATIONAL CONFERENCE ON SUSTAINABLE HEALTH SCIENCE FOR FUTURE GENERATIONS scheduled to be held during 28-29th April, 2022 at the Kalyani University.

The Department of Physiology of Kalyani University will organize the Conference in collaboration with the Indian Science Congress Association (ISCA), Kolkata Chapter, to summarize the knowledge accumulated to date and also to provide direction for the future of Health Sciences to promote the attainment of sustainability of human lives. As a part of mainstream conference "Students' Science Congress" for Secondary and Higher Secondary Students will be organized to promote Scientific culture amongst school students., and a special symposium for Women Health Scientists will be organized to empower women on the theme " Empowerment of Women through Health Science Research".

Kalyani is a very clean and planned city. It is situated on the east bank of Ganges (Bhagirathi-Hooghly), just 40 Km away from the NSCB International Airport of Kolkata. The city is very well connected to the Kolkata city through rail and surface transports. The city is surrounded by several places of historical and cultural significances in Nadia and adjoining Districts. Its serene environment and prolific campus will certainly attract you. I do hope that the beauty of Kalyani City and Kalyani University will inspire you to new discoveries in the disciplines of Health Sciences.

I'm very glad to see you in Kalyani!

Professor Goutam Paul

Chairman of Local Organizing and Program Committee

Sectional President, Section of Medical Sciences (including Physiology)
108th Session of Indian Science Congress

Pro-Vice-Chancellor, Kalyani University



Papers are Called for the Following Sections

- **Physiology –Biomolecules to Human**
- **Molecular Neurotoxicology and Experimental Pharmacology**
- **Ergonomics and Occupational Safety**
- **Environmental Health Sciences**
- **Biological Chemistry**
- **Microbes and Human Health**
- **Human Immunity and Health Care Science**
- **Bio-Medical Instrumentation**
- **Therapeutics and Principles of AYUSH**
- **Yoga and Meditation**
- **Food and Nutrition**
- **Drug Development**
- **Molecular Medicine**
- **Vaccine Development, Biotechnology and Human Welfare**
- **Digital Health**
- **Plants and Human Health**
- **Animals and Human Health**
- **Artificial Intelligence**

Abstract Submission Guidelines

Abstract of the Research paper to be submitted in the Conference for presentation are invited from Scientists in a prescribed format for a section of Health Sciences and Interconnected Disciplines as mentioned above on or before 15th April 2022. The conference desk will receive only one paper for presentation against a single registration. Co-authors of a paper could attend the Conference by submitting separate filled in registration form with requisite fees. Acceptance of the paper for communication or invitation for participation as non communicating author will be communicated well ahead of the conference.

Abstract Format Details

Abstract to be submitted through the link <https://forms.gle/MhzJGbrxg1Svds8f7>

Abstract Submission Criteria-

Word limit- 250 words/ 1500 characters

Title of abstract- Font- Calibri, Size-14pts, Bold, Capital Face letter

Author(s) Name: Font- Calibri, Size-12pts, Bold, Capital Face letter

Author(s) address and email of corresponding author- Font- Calibri, Size-10pts, small letters

Abstract body- Calibri, Size-11pts, small letters

Key words-maximum 5 keywords- Calibri, Size-11pts, small letters

Mode of Presentation of Research Paper

Communicating Scientists will be allowed to present his/her research paper either Orally or through Poster Presentation. Program Committees of the Conference will have the right to determine in superseding the option given by the Scientist.

Registration Procedure

Communicating scientist shall submit the following filled in Registration Form along with Requisite Fees during the submission of Abstract on or before 15th April 2022 by going through the following link-

<https://forms.gle/MhzJGbrxg1Svds8f7>

Registration Fees Structure:

Delegate	: INR 2995
Foreign Deleгат	: USD 80
Research Scholar	: INR 2495
Student	: INR 1995

Bank Account Details for Transfer of Money-

A/C No. : **412110210000001**

Name of the Bank: **Bank of India**

Name of the Beneficiary: **University of Kalyani**

Account Name: **University of Kalyani General Fund-II**

Branch Name: **Kalyani University**

Branch Code: **4121**

IFSC Code: **BKID0004121**

MICR No.: **700013090**

Swift Code: **BKIDINBBCOS**

Nature of Bank Account : **Savings**

Address: **Kalyani University, Kalyani, Nadia-741235, West Bengal, India**

Email: **fdku2014@gmail.com/
kalyaniuniversity.bardhaman@bankofindia.co.in**

Swift Code (for International Participants/Scientists): **BKIDINBBCOS**

Lodging and Fooding

The delegates will be provided accommodation in the University Guest house or in Hotel on Sharing Basis against an advance payment and a request. Free meals will be given to all participants by the Conference on 28th and 29th April, 2022.

Accommodation Tariff Plan:

AC Double Bed Standard	: INR 1500
AC Double Bed Deluxe	: INR 2500
AC Single Bed Standard	: INR 1000
AC Single Bed Deluxe	: INR 2000
Non AC Double Bed Standard	: INR 1000
Non AC Single Bed Standard	: INR 1000

Communication Address for Accommodation:

Email: iscakuphysiol2022@gmail.com

Children's Science Congress

Theme: Science for All

School children studying at Class IX to XII are invited to present their innovative scientific thoughts through models/poster presentations solitarily or in a group of maximum 3 (three) candidates. School children are requested to register their name(s) with a write up of maximum hundred (100) words by clicking the link-

<https://forms.gle/rjBSKnxpXVxDZMk8>

Students' participation will be free of registration charge.

Symposium for Women Health Scientists

Theme: Empowerment of Women through Health Science Research

Abstracts of the Research papers are invited from Women Scientists for Symposium related to the theme stated above in prescribed format as given.

Conference Desk :

Organizing Secretary
Two-Day National Conference on Sustainable Health Science for Future Generations
Department of Physiology
University of Kalyani
Kalyani, West Bengal-741235, India
Email: iscakuphysiol2022@gmail.com
Contact No.-9831316573