



MRINALINI DATTA MAHAVIDYAPITH

Vidyapith Road, Birati, Kolkata-700051.



Presents

One Day International Seminar

on

**Interdisciplinary Approaches towards Sustainability:
Integrating Physical, Biological and Environmental Sciences**



Time: 10.00 AM - 4.30 PM Date: 26.08.2025 (Tuesday)

Venue : College Auditorium

Interdisciplinary Approaches towards Sustainability: Integrating Physical, Biological and Environmental Sciences

Organized by

Science Forum & Seminar Sub-Committee, MDM

In Association with the Internal Quality Assurance Cell(IQAC), MDM

In Collaboration with

Royal Society of Chemistry

Internal Quality Assurance Cell(IQAC), WBSU

Indian Photobiology Society, Kolkata

Peoples' Association for Science and Environment, Kolkata

Esteemed Speakers



❑ **Prof. Bimal Krishna Banik**

Professor and Senior Researcher of Natural Sciences & Human Studies, Prince Mohammad Bin Fahd University, Kingdom of Saudi Arabia.



❑ **Prof. Chittaranjan Sinha**

Professor, Dept. of Chemistry, Jadavpur University, Kolkata.



❑ **Prof. Arunendra Nath Lahiri Majumder**

INSA Scientist, Dept. of Microbiology & Biotechnology, Sister Nivedita University & Former Professor, Bose Institute, Kolkata.



❑ **Prof. Punarbasu Chaudhuri**

Professor, Dept. of Environmental Science, University of Calcutta.

Registration & Fees

Participants are requested to register online and pay the registration fees through the online portal. For online registration, fill out the Google form as follows:

<https://forms.gle/mMJRxzWy8NR7qKFj8>

★ **The last date for registration is 05/08/2025.**

Without Poster or Oral Presentation	With Poster or Oral Presentation	
UG students/ PG students/Research Scholars/ Faculty Members – INR 300	UG students/ PG students/Research Scholars – INR 500	Faculty Members – INR 800

Call for Abstracts

Participants are requested to submit their abstracts to the corresponding email ID as per their section of interest. **Please mention whether the abstract is for an Oral or Poster presentation.** Participants may present their work on any of the sub-themes or other allied topics of their interest.

★ **The last date for abstract submission is 05/08/2025**

Physical Sciences: physicalscience.presentation@gmail.com

Biological Sciences: tusharkantimdmzoo@gmail.com

Environmental Sciences: sumanshabar@gmail.com

Physical Sciences	Biological Sciences	Environmental Sciences
<ul style="list-style-type: none">Renewable Energy and Advanced MaterialsAstrophysics and Black Hole ImagingGreen Chemistry and Sustainable SynthesisNanotechnology and Molecular EngineeringComputational ChemistryMathematics of AI and Machine LearningMathematical Modelling in Epidemiology and Climate Science	<ul style="list-style-type: none">Biotechnology for Environmental SustainabilityIntegrative Physiology and Ecosystem HealthMicrobial Ecology in Changing ClimatesGenomics for Biodiversity ConservationBiological Impacts of Climate ChangeNeuroscience and Environmental BehaviourComputational Biology	<ul style="list-style-type: none">Climate Change: Impacts and MitigationSustainable Resource ManagementPollution Control and Waste ManagementEnvironmental Policy and GovernanceEcosystem Restoration and ConservationUrbanization and Environmental ChallengesBiodiversity and Habitat Protection

Abstract Format

Title (**Bold**, Times New Roman 16), Author Name and affiliation and email (Times New Roman 12), Name of presenting author should be underlined. Abstract (Times New Roman 12), 300 words. All line spacing should be single, justified. References should not be more than five. The e-book for the abstracts will be shared with all the participants.

Awards

- **RSC Awards:** Awards will be given to the selected presenters in all categories, along with one-year complimentary affiliate membership for RSC award winners.
- **IPS Awards:** 2 best posters and 2 best oral presentations (for participants below 35 years of age)
- **Publication Opportunity:** Peer-reviewed selected works may be considered for future publication.

In-Charge for Oral and Poster Presentation

In-Charge	Physical Sciences	Biological Sciences	Environmental Sciences
Scientists-in-Charge	Dr. Prabuddha Bhattacharya (8902043784)	Dr. Tushar Kanti Roy (9432866363)	Dr. Suman Chakrabarty (9830126687)
Co-in-Charge	Dr. Soumini Chaudhury Dr. Tamal Chakraborty Dr. Sunanda Dey	Dr. Anindita Nan Dr. Chiranjit Patra Sri. Sumit Bagchi	Dr. Satabdi Biswas Dr. Suchismita Sen Chowdhury Sri. Samrat Dev

Payment Detail

Participants should pay the registration fees by online transfer to the following account.

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ACCOUNT NO.: 913010024233693
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ACCOUNT TYPE: SAVINGS ACCOUNT
IFSC CODE: UTIB0001141
BANK BRANCH: NIMTA

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Help Desk Numbers: 9434816553, 9831598089, 9874556847

About the Seminar

This international seminar aims to bring together academicians, researchers, and students to explore the critical interconnections among various scientific disciplines in addressing contemporary sustainability challenges. The event will feature expert lectures delivered by distinguished national and international speakers, interactive discussions, and paper presentations (oral and poster) across three thematic tracks: **Physical Sciences**, **Biological Sciences**, and **Environmental Sciences**. The seminar aims to foster interdisciplinary dialogue and encourage collaborative research in pursuit of sustainable solutions that promote global environmental and societal well-being.

About the College

Mrinalini Datta Mahavidyapith is a co-educational, government-sponsored general degree college affiliated with West Bengal State University, Barasat. Established in 1964, the college is committed to fostering an intellectually stimulating environment that promotes learner-centric growth and sustains academic excellence. Accredited with a Grade 'B+' in its second cycle by the NAAC Peer Team during their visit in September 2016, the institution presently comprises 23 departments offering undergraduate degree programs in diverse disciplines, ranging from Languages and Commerce to Social Sciences, Pure Sciences, and Biological Sciences. In addition, the college conducts postgraduate programs in Bengali, Education, and Commerce. Aligned with the evolving landscape of higher education, the National Education Policy (NEP) 2020 has been implemented from the academic session 2023–2024. Guided by its holistic vision to empower young minds with knowledge and wisdom, the college aspires to contribute meaningfully to national development. The mission of Mrinalini Datta Mahavidyapith remains the enhancement of societal well-being through academic and humanistic advancement.

About the Science Forum

The Science Forum, a collective initiative of the departments of Physics, Chemistry, Mathematics, Computer Science, Botany, Microbiology, Zoology, Geography, Economics, Food & Nutrition, and Anthropology of our institution to promote scientific temper among the students of our college as well as local schools through different scientific programs.

About Seminar Sub-committee

The Seminar Sub-Committee aims to explore new horizons of knowledge by fostering a vibrant culture of research and academic inquiry. It seeks to encourage interdisciplinary dialogue, research initiatives, and organize intellectually enriching programmes that go beyond the traditional curriculum. Through these efforts, the sub-committee aspires to cultivate critical thinking, innovation, and a sustained passion for knowledge among students and faculty alike.

About The Indian Photobiology Society

The Indian Photobiology Society (Regd. No.: S/10422A; www.ipbsindia.in/), one of the oldest interdisciplinary organization initiated in 1964 in the country inclusive Physics, Chemistry, Biology, Medicine, Pharmacy, Environment and Engineering & Technology. The Society popularizes scientific activities throughout different scientific activities like Conference, Seminars, Symposia, Students Competition, monthly science talks and many Lecture Awards including Lifetime Achievement Awards, Endowment Awards etc. The Scientists and Research Scholars are invited to join as Life Member of the Society.

People's Association for Science and Environment (PASE)

People's Association for Science and Environment (PASE) is a non-profit organization meant for spreading awareness on science and environment to the society. A handful of academicians, mainly scientists, professors & teachers, and environmentalists formed PASE in the year 2015 to spread scientific temperament among the children of under-privileged schools and to spread awareness of health & hygiene; environmental pollution and biodiversity to common people.



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