




1st National Conference on **GREENOVATION 2025**


Topic of the Conference: Policy Framework and Technological Innovations
for Sustainable Waste Management in the Era of Climate Change

Sub Themes:

- Innovative Technologies for Waste Reduction and Recycling
- Policy Frameworks and Governance for Sustainable Waste Management
- Circular Economy Approaches and Resource Recovery
- Community Engagement and Behavioural Change in Waste Management
- Climate Change Mitigation through Integrated Waste Management
- Socio-Economic Impacts and Equity in Waste Management

 September 13, 2025

 10:30 AM - 4:30 PM

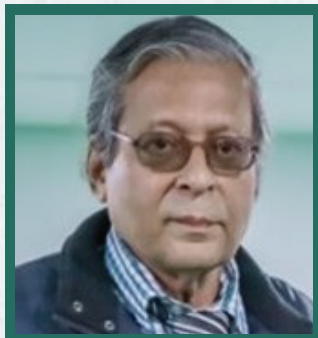
 Vidyasagar Bhavan
(UB II), Seminar Hall
(Room no. 007)

Chief Patron



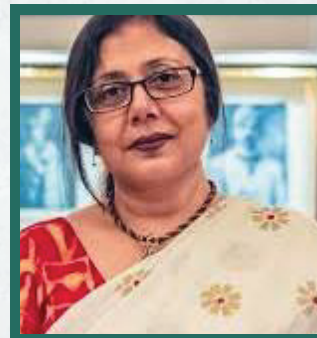
Mr. Phalguni Mookhopadhyay
Hon'ble Chancellor
Brainware University

Patron



Prof. Sankar Gangopadhyay
Hon'ble Vice Chancellor (Acting)
Brainware University

Conference Mentor



Ms. Mahua Pal
Registrar
Brainware University

Organizing Committee

| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Organizing Chair | Dr. Anant Kumar Srivastava , Dean Academics, Brainware University |
| Organizing Secretary | Dr. Sayanti Datta , Head, Department of Chemistry, Brainware University |
| Convenor | Dr. Kalyanashis Mandal and Dr. Arghadip Mondal , Assistant Professor, Department of Chemistry, Brainware University |
| Co-Convenor | Dr. Deepshikha Datta , Director, Research and Project, CMRI Professor, Department of Chemistry, Mr. Chandan Santra , Assistant Professor, Department of Chemistry, Brainware University and Dr. Bipasa Bimalendu Patra , Associate Director, IQAC. Associate Prof., Dept. of Electrical Engg., Brainware University |

Advisory Committee Members

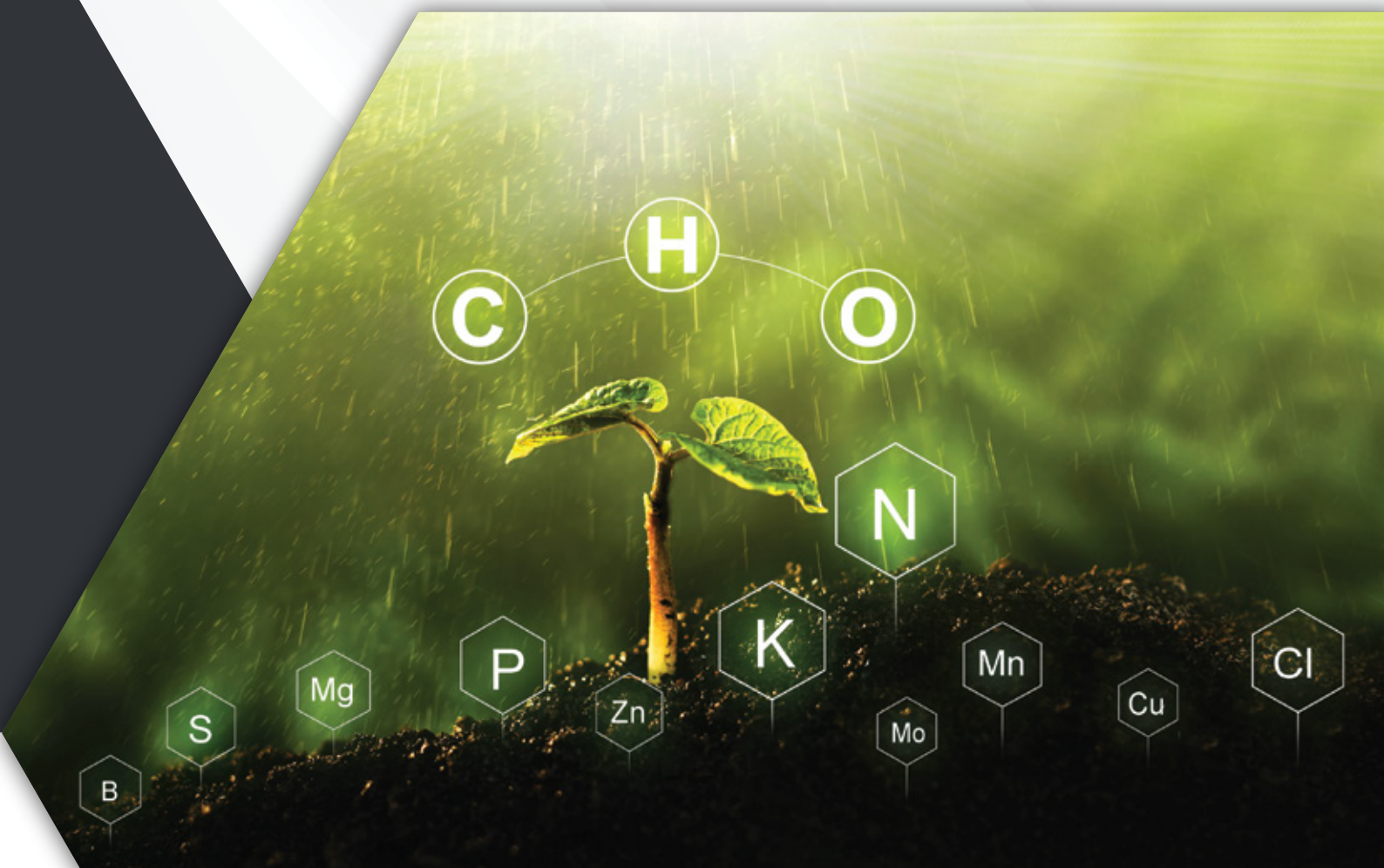
1. Dr. Kaushik Banerjee, Professor & Dean, Department of Law, Brainware University
2. Prof. Samaresh Bhattacharya, Professor, Inorganic Chemistry section, Jadavpur University, Kolkata 700 032
3. Prof. Mukut Chakraborty, Professor, Department of Chemistry, West Bengal State University, North 24 Parganas, Kolkata, West Bengal 700126
4. Prof. Naba Kumar Mondal, Professor, Department of Environmental Science, University of Burdwan, Bardhaman, West Bengal 713 104

About Brainware University

Brainware University, situated in Barasat, Kolkata, India, is a private institution offering a diverse range of undergraduate, postgraduate, and doctoral programs across various disciplines, including biotechnology, engineering, management, law, pharmacy, and more. As part of the distinguished Brainware Group with a legacy of over 34 years in education, Brainware University stands as a beacon of quality education in West Bengal. Established in 2016 and recognized by the University Grants Commission (UGC), our institution embodies the ethos of making quality education accessible across societal strata, fostering successful careers and nation-building. The university emphasizes research and practical learning, providing well-equipped labs, industry-standard software, and modern infrastructure. It encourages student involvement in innovation, offering workshops, seminars, and collaborations with industries. Additionally, it has a focus on professional development, ensuring students are career-ready with placements and internships. The campus hosts cultural events, student organizations, and community outreach activities, creating a vibrant environment for students. With a mission to deliver quality education, Brainware University seeks to build a foundation for students to excel in their chosen fields.

About Chemistry Department

The Department of Chemistry at Brainware University is committed to advancing research and education at the intersection of chemistry and environmental science. We foster a dynamic and supportive environment that encourages both students and faculty to engage in scientific inquiry with a focus on sustainability and eco-friendly practices. Our mission is to develop and maintain programs of excellence that emphasize green chemistry, cleaner chemical processes, and innovative solutions to environmental challenges. Through a diverse curriculum spanning basic and applied sciences, we promote an understanding of chemical principles while encouraging a greener approach to experimentation and research. The department actively supports interdisciplinary learning and research, aiming for the holistic development of students and faculty in addressing real-world environmental issues through the lens of chemistry.



Conference Focus

Greenovation 2025 is the 1st National Conference organized by the Department of Chemistry. It aims to bring together academicians, researchers, industry experts, and students to exchange knowledge and foster innovation in sustainable waste management. Key focus areas include:

1. **Policy and Governance:** Exploration of national and global waste management policies aligned with climate goals and circular economy principles.
2. **Technological Innovations:** Presentation of advanced, low-emission, and energy-efficient waste management technologies.
3. **Waste–Climate Nexus:** Addressing the environmental impacts of waste and its role in climate change mitigation.
4. **Academia–Industry Interface:** Expert talks to promote collaboration between academic research and industrial practices.
5. **Student Competitions:** Hands-on competitions on real-world waste management technologies to inspire student innovation.
6. **Publication of Book of Abstracts (ISBN):** A Book of Abstracts with ISBN will be published to showcase selected innovative research contributions, providing national visibility and academic value to participants.

Objectives of the Conference

- To provide a platform for students and researchers to present innovative work in the fields of waste management, environmental science, and green chemistry.
- To encourage interdisciplinary research addressing real-world environmental challenges through sustainable solutions.
- To facilitate knowledge exchange between emerging scholars and experts from academia and industry.
- To inspire student-led innovation through competitions focused on practical waste management technologies.

Conference Announcement and Invitation

- **Call For Extended Abstracts (Publication Scope In A Book Of Abstracts With ISBN)**

*Selected Few Will Be Required To Submit Full Manuscript For Publication In Peer Reviewed Journals.

- **Case-Study Challenge For Students: Win Awards**

Join Us at

GREENOVATION 2025

The Department of Chemistry, Brainware University, Kolkata, is excited to present the 1st National Conference on **Policy Framework and Technological Innovations for Sustainable Waste Management in the Era of Climate Change.**

The Department of Chemistry is pleased to announce the National Conference focused on innovative approaches to waste management and climate resilience. This significant event will be held at Brainware University, Kolkata, and will gather leading researchers, academicians, industry professionals, and students to engage in meaningful dialogue and discovery. This conference aims to explore how sustainable waste practices and policy frameworks can address the urgent environmental challenges of our time through science and innovation.

What to Expect

- Plenary talks and expert sessions from distinguished speakers across academia and industry.
- Research paper presentations on cutting-edge work in waste management, environmental chemistry, and green technologies.
- Publication scope in a Book of Abstract with ISBN
- Student competitions on Case-study Challenge: Win Awards, focusing on real-world waste solutions and sustainable technologies.
- Opportunities for collaboration and networking among stakeholders committed to environmental sustainability.

Why Participate?

Join us in shaping the future of waste management through science, policy, and technology. This conference will serve as a platform for innovative thinking, interdisciplinary research, and practical solutions to one of the most pressing global challenges — environmental degradation through unmanaged waste.

We Look Forward to Welcoming You!

Be a part of this impactful event and contribute to creating a greener, cleaner, and more sustainable future.

Distinguished Speakers



Prof. Soma Mukherjee
Professor and Head
Department of
Environmental Science
University of Kalyani



Mr. Pranov Goel
Director
Redivivus Recyclers Pvt.
Ltd. (Vital Waste)
Kolkata

Registration Details Fee Structure

| Category | Registration Fee (INR) |
|--------------------------------------------------------|------------------------|
| For Abstract submission and oral / poster presentation | 300 |
| For student competition | 150 |
| For participation only | 150 |

- Registration fees include access to all conference sessions, lunch, a comprehensive conference kit, and a certificate of participation or presentation and publication in the Book of Conference with an ISBN for selected abstracts.

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|---------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Bank Name | HDFC BANK | Abstract Submission Deadline | August 16, 2025 |
| Account Holder Name | BRAINWARE UNIVERSITY | PPT submission deadline for the Case-study Challenge Competition | August 25, 2025 |
| Account Number | 59110687654321 | Registration for participation Deadline | August 25, 2025 |
| Branch Name | BARASAT, WEST BENGAL | Full Manuscript Submission Deadline | September 12, 2025 |
| IFSC Number | HDFC0000352 | Authors of selected abstracts will be invited to submit full manuscripts. Selected papers will be published in reputed peer-reviewed journals. | |

Guideline for Abstract Submission

We invite all researchers, academics, and industry professionals to submit abstracts for consideration at GREENOVATION 2025. Please ensure your abstract adheres to the following guidelines:

- Abstracts should not exceed 200 words and not be less than 150 words, including the title, authors, and affiliations.
- Abstracts should be written in English with Times New Roman, Size 12, Regular, and 1.5 line spacing.
- The abstract should be submitted in the format of MS Word (.doc or .docx) document only.
- The abstract should be structured as follows:

- Title: Bold, concise, and descriptive.
- Authors: Full names of all authors, with the presenting author highlighted or underlined.
- Affiliations: Include the institutional affiliation of all authors and the email address of the presenting author.
- Body: A brief introduction, objectives, methods, results, and conclusions.

- All abstracts must be submitted electronically via the conference registration link.
- Please ensure your submission is completed before the deadline.
- Please note that a single registration permits only one person to attend the conference. If the co-authors would like to attend the conference, their registration and payment are required to be made independently.
- The certificate will be issued to the co-authors upon their registration for the conference.
- All abstracts will be peer-reviewed for scientific quality and relevance to the conference themes. Authors will be notified about the acceptance status.
- Accepted abstracts will be required to be presented either as oral presentations (hybrid mode) or poster presentations (in person). The authors will be notified via email for the same.

Deadline for Abstract Submission: 16 th August, 2025

For any queries regarding abstract submission, please contact

Dr. Sourav Das, Ph.D
Editorial and Publications Chair, GREENOVATION 2025
Assistant Professor, Department of Chemistry
Brainware University, Kolkata, India
Email: sud.chem@brainwareuniversity.ac.in
Phone: +91 9831933066



Payment Link



Registration Link

Guideline for Case-Study Challenge Competition (Applicable to BWU students only)

As part of the conference, a Case-Study Competition will be conducted to engage students (Undergraduate and postgraduate) from various disciplines in developing innovative, real-world waste management solutions. The following guidelines must be followed:

1. Topic Selection

- Case-study topics will be provided in the registration form.
- Students must select one topic relevant to their discipline.

2. Registration

- Students must complete the registration process by paying the required fee.
- A valid transaction proof must be uploaded via the registration link provided.

3. Presentation Preparation

- Participants must prepare a PowerPoint presentation (PPT) outlining their solution to the chosen case-study.
- The PPT should be a maximum of 10 slides, including the title slide.
- The first slide must clearly mention the:
 1. Case-study topic
 2. Name of the participant
 3. Discipline and academic affiliation

4. Submission Format and Deadline

- The presentation must be submitted in Microsoft PowerPoint format (.ppt or .pptx) only.
- All presentations must be uploaded electronically via the registration link.
- Submissions must be completed on or before the specified deadline.

5. Evaluation and Presentation

- o All PPTs will undergo peer review by a panel of experts.
- o The top three participants will be selected and announced on the day of the conference.
- o These top three will be invited on stage to present their solutions during the conference.
- o All registered participants (except oral presenters via virtual mode) must be present at the conference.

Deadline for Case-study Challenge Competition: 25 th August, 2025

For any queries regarding Case-study competition, please contact

Mr. Akshay Kumar Dey, M.Sc.
Case-study coordinator, GREENOVATION 2025
Assistant Professor, Department of Chemistry
Brainware University, Kolkata, India
Email: akd.chem@brainwareuniversity.ac.in
Phone: +91 9083014541

Registration and Participation Guidelines

We welcome participants from all sectors, including academics, researchers, students, and industry professionals. We look forward to your active participation in GREENOVATION 2025!

- The conference registration fee must be paid via online transaction.
- After paying the fee, participants must fill out the registration form and submit the payment proof.
- If there are any questions or concerns, participants can reach out to the conference team at conference.chem@brainwareuniversity.ac.in
- Participants must register for the conference to attend the event.
- Registration can be done through the online



<https://forms.gle/5ZB4M9woUXKWCoqz9>

Deadline for Participation:
25 th August, 2025



Payment Link



For any queries regarding registration, please contact

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Registration Coordinator, GREENOVATION 2025
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Phone: +91 8240252938

For any queries regarding the Program schedule, please contact

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