

International Conference

Organized by

Department of Basic Science & Humanities,

Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex,

(Sur Tech),(Autonomous) JIS Group, Dum Dum

Title: International Conference on “Recent Developments and Applications in Materials Science and Engineering (RDAMSE 2025)”.

Date: January 30-31, 2025

Mode: Hybrid (Online and Offline)

Venue: Dr Sudhir Chandra Sur Institute of Technology and Sports Complex, Dum Dum, Kolkata

No. of participant: 125

Introduction:

With the gracious approval of Sardar Taranjit Singh, Managing Director of JIS Group, and under the guidance of Prof. (Dr.) Saradindu Panda, Principal of Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (DSCSITSC), the Two-Day International Conference on “Recent Developments and Applications in Materials Science and Engineering (RDAMSE 2025)” was successfully organized by the Department of Basic Science & Humanities, SurTech (Autonomous), JIS Group, Dum Dum. The event took place from January 30–31, 2025, in collaboration with the Indian Photobiology Society (IPS), Jadavpur, and Sripat Singh College, Murshidabad.

RDAMSE 2025 witnessed enthusiastic participation from around 70 delegates, both online and offline, including national and international researchers. The program featured plenary and keynote lectures, technical sessions, and poster presentations, all reflecting the latest advancements in the field. The conference was further elevated through collaborations with renowned journal publishers Wiley and Engineered Science Publisher, ensuring the publication of impactful research from the event.

Objectives:

1. To provide an international platform for scientists, academicians, industry professionals, and researchers to discuss emerging trends in materials science, nanotechnology, and sustainable engineering.
2. To encourage collaboration and knowledge sharing between academia and industry, enhancing research impact and professional growth.
3. To offer opportunities for faculty to engage with leading experts, thereby boosting their research and academic capabilities.

Inaugural Ceremony:

The conference commenced on January 30, 2025, with a grand inaugural session held at the Dr. A.P.J. Abdul Kalam Auditorium. Distinguished guests graced the occasion:

- Chief Guest: Prof. (Dr.) Bhaskar Gupta, Vice-Chancellor, Jadavpur University
- Guest of Honour: Prof. (Dr.) Tanusri Saha-Dasgupta, Director, S. N. Bose National Centre for Basic Sciences
- Patron: Sardar Haranjit Singh, Joint MD, JIS Group
- Special Guests:
 - Prof. (Dr.) M. R. Ajith, Scientist-G, ISRO
 - Prof. (Dr.) Neeraj Saxena, Pro Vice-Chancellor, JIS University
 - Prof. (Dr.) Nitin Kumar Chattopadhyay, Vice-President, IPS
 - Dr. Kamal Krishna Sarkar, Principal, Sripat Singh College
 - Mr. Tarun Debnath, OC, Nager Bazar Police Station

Conference Leadership:

- Program Chair: Prof. (Dr.) Saradindu Panda, Principal, SurTech
- Co-Chair: Mr. Anirbit Sengupta, Deputy Registrar, SurTech
- Convenor: Dr. Dipakar Das, HoD & Asst. Professor, BSH Department, SurTech
- Co-Convenor: Dr. Biswajit Das, Asst. Professor, BSH Department, SurTech

The inaugural session included a traditional lamp lighting ceremony and Ganesh Vandana, followed by inspiring speeches highlighting the significance of materials science in fields like renewable energy, nanomedicine, and environmental technology. The conference proceedings were unveiled as a Book of Abstracts with ISBN, and special recognition was given to our partners from IPS and Sripat Singh College.

Eminent Speakers:

The event featured 16 speakers, including 3 international and 13 national experts from academia and industry. Highlights included:

- Prof. (Dr.) M. R. Ajith (ISRO): *Ceramics for Space*
- Prof. (Dr.) S. K. Ghosh (JU): *Utilization of Secondary Raw Materials*
- Prof. J. J. Vittal (NUS, Singapore): *Structural Dynamics in the Solid State*
- Prof. Joe Otsuki (Nihon University, Japan): *Porphyrin Organization for Functional Nanomaterials*
- Prof. Ajoy Kumar Ray (Padma Shri): *Nanotechnology for Pollution Remediation*
- Prof. D. Dhara (IIT Kharagpur): *Polymer Nanoparticles for Cancer Drug Delivery*

- And many more notable names from Jadavpur University, IACS, ISRO, and Techno India University.

The sessions covered topics from advanced materials, nanotechnology, renewable energy, drug delivery, to AI applications in material science.

Key Takeaways:

The conference achieved several valuable outcomes:

1. Provided a platform for knowledge sharing and networking among researchers and faculty.
2. Enhanced collaboration between academia and industry, promoting impactful research.
3. Offered practical insights on balancing teaching and research duties.
4. Hosted interactive sessions that sparked critical discussions and feedback.
5. Strengthened national and international academic partnerships.

Participant Highlights:

Around 70 participants attended from prestigious institutions such as:

- Jadavpur University
- IIT ISM Dhanbad
- NIT Durgapur & Arunachal Pradesh
- KIIT, Amity University, Techno India University
- University of North Bengal, Kalyani University, and more

Representatives ranged from Professors to Research Scholars, representing both public and private sectors, which contributed to a rich and diverse intellectual exchange.

Feedback:

Participant feedback was overwhelmingly positive. Attendees appreciated the event's:

- Well-structured sessions
- Relevance of topics
- Excellent hospitality and infrastructure
- Quality networking and learning opportunities

Certificates (hardcopy and e-certificates) were issued to all oral, poster, and invited speakers.

Special Appreciation:

We extend sincere thanks to:

- Dr. Subhabrata Mukhopadhyay (Deputy Editor, Physical Science, Wiley)
- Dr. Raja Chakraborty (Associate Editor, ChemistrySelect, Wiley)

- Prof. Chittaranjan Sinha (Dean, Science Faculty, JU; Editor-in-Chief, ESCS Journal)
- Dr. G. Roymahapatra (Executive Editor, ESCS Journal; HIT)

Sponsorship Support:

We express our gratitude to our sponsors:

- Mr. Kamalendu Ghosh, General Manager, Sobisco Biscuit
- Mr. Manas Maity, Kolkata Scientific & Co.

Awards and Recognition:

Special thanks to:

- Prof. Chittaranjan Sinha for presenting the *IPS Research Excellence Award 2025*
- Dr. G. Roymahapatra for the *James Perkinson & Sukdev Roymahapatra Memorial Award 2025*, recognizing outstanding oral, poster, and lecture presentations.

Acknowledgment:

We extend our heartfelt gratitude to:

- All participants from across India
- Plenary, keynote, and invited speakers
- Chief Patron Sardar Taranjit Singh, MD, JIS Group
- Patron Sardar Simarpreet Singh, Director, JIS Group
- Prof. (Dr.) Saradindu Panda, Principal, SurTech
- Secretary, President, Vice President of IPS
- Sripat Singh College faculty
- Students and staff of SurTech

Glimpses of the Event:









South Dumdum, West Bengal, India

540, Dum Dum Rd, Surer Math, Melabagan Estate, Basak
Bagan, South Dumdum, West Bengal 700074, India

Lat 22.61872° Long 88.404509°

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Address bar: meet.google.com/qvp-nfhu-wdg

Meeting title: arghadip roy (Presenting)

Sensitivity Analysis

Arghadip Roy, Dept. of Mathematics | January 30, 2025

4:27 PM | RDAMSE-2025, 30-31 January at 5...

Participants:

- arghadip roy
- Rahimasoom R...
- Kripasindhu K...
- Joyita Dutta
- Ayan Bera
- SAPTARSHI M...
- Rahimasoom R...
- 5 others
- HOD BSH DSEC

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