



Dr.Sudhir Chandra Sur Institute of Technology and Sports Complex

(Formerly Known as Dr.Sudhir Chandra Sur Degree Engineering College)

540, DumDum Road, Surer Math (Near Dum Dum Jn. Station), Kolkata-700074

Phone: +91 22 25603889, 25603898, 65330375

Website: www.surtech.edu.in; Email: info@dsec.ac.in

Report on
One Day International Seminar
“Emerging Frontiers in Science and Technology”

Organized by

Department of Basic Science & Humanities,
Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex,
(Sur Tech),(Autonomous) JIS Group, Dum Dum

In Association with:
Material Research Society of India, Kolkata Chapter
Society for Materials Chemistry, Kolkata Chapter
Indian Photobiology Society, JU Campus, Kolkata
Subhami Biopharma Pvt Ltd, Kolkata
Sripat Singh College, Murshidabad
People's Association for Science and Environment (PASE) , Kolkata

Title: “One Day International Seminar “Emerging Frontiers in Science and Technology”.

Date: July 1-10, 2026

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

No. of participant: 45

Time: 10AM – 7 PM

Introduction:

The Department of Basic Science & Humanities (BSH), Dr. Sudhir Chandra Sur Institute of Technology and Sports Complex (SurTech), organized a **One-Day International Seminar on “Emerging Frontiers in Science and Technology”** on **22 August 2026** at the SurTech campus, Kolkata.

The seminar was organized with the objective of providing a common platform for academicians, scientists, researchers, faculty members, students, industry professionals and entrepreneurs to exchange ideas and explore recent developments in science and technology.

The seminar covered a broad interdisciplinary spectrum including **Physics, Chemistry, Biotechnology, Microbiology, Environmental Science and Life Sciences**. The programme was also associated with the activities of the **Nanoelectronics for Energy and Smart Technologies (NEST) Lab**, providing an opportunity to promote research, innovation and collaboration in emerging areas of science and technology.

The event brought together eminent national and international experts and provided participants with exposure to contemporary research, technological developments and potential opportunities for academic and research collaboration.

Objectives: The seminar was organized with the following objectives:

- To provide exposure to participants regarding emerging developments in science and technology.
- To create a platform for interaction among academicians, scientists, researchers, industry experts and students.
- To promote interdisciplinary research involving Physics, Chemistry, Biotechnology, Microbiology, Environmental Science and Life Sciences.
- To facilitate research and innovation exchange among academic and research institutions.
- To explore possibilities for joint research projects, collaborations and publications.
- To encourage academic and research interaction between Indian and international researchers.
- To provide information regarding Ph.D. and research opportunities.
- To promote utilization of advanced research facilities, particularly through the NEST Lab.
- To encourage faculty and student exchange and collaborative research initiatives.
- To explore opportunities for national and international research funding and future academic partnerships.

Inaugural Ceremony:

The seminar commenced with a formal inaugural session at the SurTech campus. The programme was organized under the guidance of the **Department of Basic Science & Humanities** and the organizing team of the **NEST Lab**. The programme began with the traditional **lighting of the ceremonial lamp**, symbolizing knowledge, innovation, and scientific excellence. Faculty members, invited experts, resource persons, research scholars, and participants attended the inaugural ceremony.

Patron:

- **Sardar Simarpreet Singh**, Director, JIS Group

Chief Guest:

- **Prof.(Dr) Neeraj Saxena**, Pro Vice-Chancellor, JIS University

Special Guest as a Association Partners:

- **Prof. (Dr.) Chittaranjan Sinha**, Secretary, Indian Photobiology Society (IPS).
- **Dr. Subhalashmi Ghosh**, Director, Subhami Biopharma Pvt. Ltd., Kolkata
- **Dr. Srabanti Ghosh**, President, Society for Material Chemistry, Kolkata Chapter
- **Prof. (Dr.) Kalyan Kumar Chattopadhyay**, Vice-Chairman, Material Research Society of India(MRSI), Kolkata Chapter.
- **Mr. Sandip Sen**, Secretary, People's Association for Science and Environment (PASE), Kolkata
- **Dr. Abhishek Basu**, Associate Professor, Sripat Singh College, Murshidabad



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Program Chair:

- **Prof. (Dr.) Saradindu Panda**, Principal, SurTech

Co-Chair:

- **Dr. Soumen Basu**, Registrar, SurTech.

Coordinator:

- **Dr. Dipakar Das**, HoD & Asst Professor, Basic Science & Humanities, SurTech

Co-Coordinator:

- **Dr. Biswajit Das**, Asst. Professor Asst Professor, Basic Science & Humanities, SurTech

Eminent Speakers

Sl. No.	Name	Designation	Institute / Organization
1	Dr. Joe Otsuki	Professor	College of Science and Technology, Nihon University, Tokyo, Japan
2	Dr. Chittaranjan Sinha	Ex-Professor	Department of Chemistry, Jadavpur University, Kolkata, India
3	Dr. Srabanti Ghosh	Principal Scientist	EMDD, CSIR-CGCRI, Kolkata
4	Dr. Kalyan Kumar Chattopadhyay	Professor	Department of Physics, Jadavpur University, Kolkata, India
5	Dr. Mathew Chandrankunnel	Editor-in-Chief	The International Journal for Transformation of Consciousness

Programme Highlights

- International lecture by Dr. Joe Otsuki, Nihon University, Tokyo, Japan.
- Expert lectures by eminent national scientists and academicians.
- Interdisciplinary discussions covering several emerging areas of science and technology.
- Interaction between students, faculty members, researchers and invited experts.
- Opportunities for research and innovation exchange.
- Discussion on joint research projects and collaborations.
- Scope for joint publications and research papers.
- Promotion of faculty and student exchange.
- Exploration of Ph.D. and research opportunities.
- Opportunities for participation in national and international research programmes.

Programme Outcome:

The seminar successfully created a platform for academic interaction and knowledge exchange. The major outcomes of the programme were:

- Enhanced awareness regarding recent developments in emerging areas of science and technology.
- Exposure of students and young researchers to international and national research perspectives.



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- Increased interest in interdisciplinary research.
- Identification of potential areas for joint research and collaboration.
- Promotion of interaction between academic institutions, researchers and industry.
- Awareness regarding Ph.D., research and funding opportunities.
- Possibilities for joint publications and collaborative research projects.
- Promotion of faculty and student exchange programmes.
- Strengthening of academic and research networking between Indian and international experts.

The seminar therefore served not only as a knowledge-sharing programme but also as a potential platform for developing long-term academic and research collaborations

Research and Collaboration Opportunities:

- International research collaboration
- Indo-Japan research interaction
- Joint research projects
- Joint research publications
- Faculty and student exchange
- Ph.D. and research opportunities
- Proceedings and publication opportunities
- Joint conferences, workshops and lecture series
- Utilization of NEST Lab research facilities

These opportunities can contribute towards strengthening the research ecosystem of SurTech and promoting meaningful collaborations with academic institutions, research organizations and industry.

About Contributing Participant:

A total of 45 undergraduate students and faculties from different institutions like IEST Shibpur, Howrah, Jadavpur University, Kolkata, Vedanta College, Kolkata, Bankim Sardar College, Canning, 24PGS South, Sripat Singh College, Murshidabad, Asansol Engineering College, Asansol, Mrinalini Datta Mahavidyapith, Birati, Kolkata, Techno International Batanagar, Kolkata, Netaji Subhash Engineering College, Technocity, Garia, Kolkata, SurTech, etc participated in the seminar. The participation of individuals from diverse scientific backgrounds contributed to the interdisciplinary nature of the programme. Interaction with eminent experts provided students and young researchers with valuable exposure to current scientific developments, research methodologies and possible academic and professional opportunities. The seminar also encouraged participants to explore future collaboration, research publications, joint projects and academic interaction with institutions and experts from India and abroad.

Acknowledgement:



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The Department of Basic Science & Humanities, SurTech, expresses its sincere gratitude to **Sardar Taranjit Singh, MD, JIS Group; Sardar Simarpreet Singh, Director, JIS Group; Prof. (Dr.) Saradindu Panda, Principal, SurTech; Dr. Soumen Basu, Registrar, SurTech**, and the management of JIS Group for their valuable guidance and support in organizing the programme.

The department gratefully acknowledges the valuable presence and contributions of **Dr. Joe Otsuki** and all the distinguished national speakers for sharing their expertise, research perspectives and valuable insights with the participants.

Special thanks are extended to all the collaborating organizations **MRSI Kolkata Chapter, Society for Materials Chemistry, Kolkata Chapter, Indian Photobiology Society, Jadavpur University Campus, Sripat Singh College, Murshidabad, Subhami Biopharma Pvt. Ltd., Kolkata and People's Association for Science and Environment (PASE), Kolkata** for their support and association.

The department also expresses its appreciation to all faculty members, researchers, students, organizing committee members, volunteers and supporting staff of SurTech whose dedicated efforts contributed to the smooth and successful conduct of the seminar.

Valedictory Session:

The seminar concluded on 22th August 2026 with a valedictory session and certificate distribution ceremony. Participants presented their mini-projects and shared their learning experiences. The organizing committee appreciated the enthusiastic participation, discipline, and scientific curiosity demonstrated throughout the programme.

The organizers expressed sincere thanks to all delegates, speakers, session chairs, sponsors, faculty members, student volunteers, and organizing committee members for their immense support and contribution toward the grand success of seminar.

Conclusion:

The One-Day International Seminar on “Emerging Frontiers in Science and Technology” held on 22 August 2026 was a significant academic initiative of the Department of Basic Science & Humanities, SurTech.

The seminar successfully provided a platform for interaction among eminent scientists, academicians, researchers, students and industry professionals. The presence of an international speaker from Japan along with distinguished national experts added substantial academic value to the programme.

The Department of Basic Science & Humanities, SurTech, remains committed to organizing similar academic and research-oriented programmes in the future to promote scientific excellence, innovation, interdisciplinary collaboration and international research engagement.



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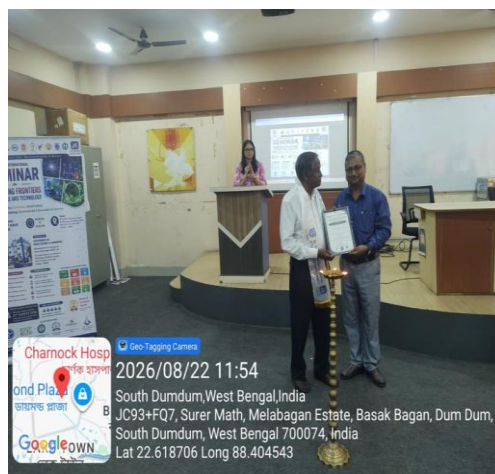
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The seminar thus marked a meaningful step towards strengthening the culture of research, innovation and collaboration at SurTech—“Let’s Collaborate. Let’s Innovate. Let’s Transform.”

Glimpses of the Event:



One Day International Seminar (22.08.2026)



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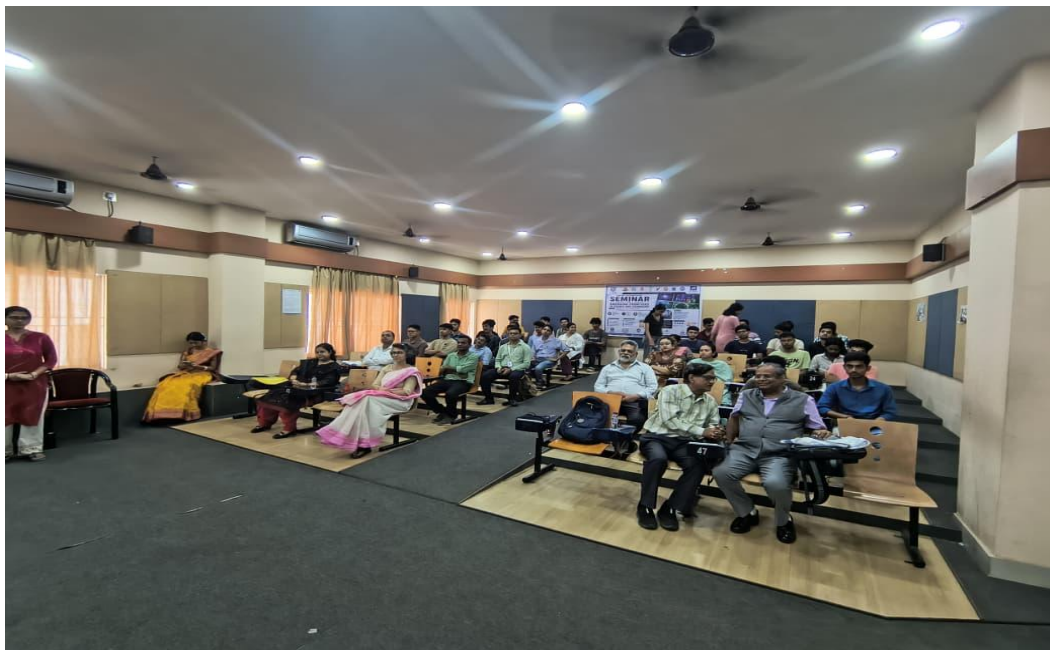
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