



INDIAN ASSOCIATION FOR THE
CULTIVATION OF SCIENCE, KOLKATA

SAIS Symposium 2026

6th-7th March, 2026

Organized by
The School of Applied and
Interdisciplinary Sciences
(SAIS)

MLS Hall, IACS
Kolkata-700032



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Organized by the School of Applied and Interdisciplinary Sciences (SAIS)

Indian Association for the Cultivation of Science

2A and 2B Raja S. C. Mullick Road, Jadavpur, Kolkata 700032, West Bengal India

March 6-7, 2025; MLS Hall

March 6, 2026 (DAY 1)	
Inaugural Session	
14:00 – 14:05	Inauguration
14:05 – 14:15	Welcome address by the Director , IACS
14:15 – 14:20	Welcome address by the Chairperson , SAIS, IACS
Scientific Session-1 (Chair: Surajit Sinha, SAIS, IACS)	
14:20 – 14:50	IL1: Sangita Roy Institute of Nano Science and Technology, Mohali <i>Title: Minimalist Peptide Engineering at the Nanoscale for Applications in Healthcare.</i>
14:50 – 15:20	IL2: Budhaditya Mukherjee Indian Institute of Technology (IIT) Kharagpur <i>Title: Synergy unleashed: Leishmania donovani GP63 paralogs cooperatively function to drive parasite infectivity at various pathogenic stages and regulate host survival mechanisms.</i>
15:20 – 5:40	Tea / Coffee break
Scientific Session-2 (Chair: Suhrit Ghosh, SAIS, IACS)	
15:40 – 16:10	IL3: Jerry A. Fereiro Indian Institute of Science Education and Research (IISER) Thiruvananthapuram <i>Title: Ligand-Gated Conformational Modulation of Tunneling Barriers in Solid-State Protein Junctions.</i>
16:10 – 16:40	IL4: Prakash Chandra Mondal Indian Institute of Technology (IIT) Kanpur <i>Title: Light-driven Long-Range Charge Transport in Oligomeric Electronics.</i>
16:40 – 17:10	IL5: Sanjio S. Zade Indian Institute of Science Education and Research (IISER) Kolkata <i>Title: π-Conjugated Systems as Photocatalysts and Organic Semiconductors for Organic Electronic Devices.</i>
17:10 – 17:50	Student Flash Talks FT 1: Lalmohan Das <i>Title: Photo Induced Aggregation of Bay-substituted Cationic Perylene Diimide Derivatives and its Bioimaging Application.</i> FT 2: Saumili Chakraborty <i>Title: Effect on Cellular Uptake of Self-assembled End-functionalized Amphiphilic Polyurethane.</i> FT 3: Chhandita Chakraborty <i>Title: Redox-responsive Two-dimensional (2D) Architectures from Phenothiazine-conjugated Poly(L-lactides) via Crystallization-driven Self-assembly.</i> FT 4: Maria Mukherjee <i>Title: Characterization and Biological Efficacy of Self-penetrating GMO-siRNA Chimeras.</i>
19.30 – 23:00	Banquet

KL: Keynote Lecture (35+5 mins); IL: Invited Lecture (25+5 mins); FT: Flash Talk (6 mins)

March 7, 2025 (DAY 2)	
Scientific Session-3 (Chair: Subham Majumdar, SPS, IACS)	
10:00 – 10:40	KL1: Shree Prakash Tiwari Indian Institute of Technology (IIT) Jodhpur <i>Title: Flexible Devices for Smart Sustainable Systems.</i>
10:40– 11:10	IL6: Ajay Perumal Indian Institute of Science Education and Research (IISER) Berhampur <i>Title: Efficient and stable multilayer solution processed inverted p-i-n perovskite solar cells: Role of interfacial layers and interface.</i>
11:10– 11:40	IL7: Vidya Kochat Indian Institute of Technology (IIT) Kharagpur <i>Title: Engineered 2D Quantum Materials.</i>
11:40 – 12:00	Tea/Coffee break
Scientific Session-4 (Chair: Sudip Mallik, SAIS, IACS)	
12:00 – 12:30	IL8: Pritam Mukhopadhyay Jawaharlal Nehru University, New Delhi <i>Title: Design and Synthesis of Organic Multi-state Redox Systems and their Functionality.</i>
12:30– 13:00	IL9: Prasun K. Mandal Indian Institute of Science Education and Research (IISER) Kolkata <i>Title: Exploring Single Particle Spectroscopy and Ultrafast Exciton Dynamics in Quantum Dots and Perovskite Nanocrystals.</i>
13:00 – 14:20	Lunch
Scientific Session-5 (Chair: Somobrata Acharya, SAIS, IACS)	
14:20 – 14:50	IL10: Setti Thirupathaiah S. N. Bose National Centre for Basic Sciences, Kolkata <i>Title: ARPES Studies on Transition Metal Dichalcogenides.</i>
14:50 – 15:20	IL11: Krishnakumar S R Menon Saha Institute of Nuclear Physics, Kolkata <i>Title: Magnetic domain imaging using magnetostriction: An electron microscopic approach.</i>
15:20– 15:50	IL12: Kartikeswar Senapati National Institute of Science Education and Research, Bhubaneswar <i>Title: Probing magnetization tunnelling in a molecular magnet using a nano-SQUID.</i>
15:50-16:10	Tea/Coffee break
Scientific Session-6 (Chair: Anindita Das, SAIS, IACS)	
16:10 – 16:40	IL13: Bheema Lingam Chittari Indian Institute of Science Education and Research (IISER) Kolkata. <i>Title: Flatbands in Two Dimensional Moire Superlattices.</i>
16:40 – 17:10	IL14: Swastik Mondal CSIR-Central Glass and Ceramic Research Institute, Jadavpur, Kolkata. <i>Title: Recent Interdisciplinary Advances in Chemiresistive Gas Sensing.</i>
17:10 – 17:40	Student Flash Talks FT 5: Kuntal Singh <i>Title: Bismuth Halide Perovskite Microcrystals with Benign Vacancies for High-Performance Broadband Photodetectors.</i> FT 6: Surabhi Saha <i>Title: Modelling the Mitotic Spindle: How Noise and Chromosome Length Shape Bipolarity.</i> FT 7: Debajyoti Jana <i>Title: Electric Double Layer-Driven Synaptic OFET with Carboxymethyl Cellulose as a Solid Polyelectrolyte.</i> FT 8: Riddhi Mitra <i>Title: An Amine-mediated Synthesis Strategy for Shape-controlled Cesium Lead Halide Perovskite Nanoparticles.</i>
17:40 – 17:50	Vote of thanks (KDM Rao, SAIS, IACS)

KL: Keynote Lecture (35+5 mins); IL: Invited Lecture (25+5 mins); FT: Flash Talk (6 mins)



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● Conveners: Dr. KDM Rao,
Dr. Shinto Varghese.

● Prof. Surajit Sinha
(Chairman, SAIS, IACS)
csais@iacs.res.in

● Venue: MLS Hall
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