

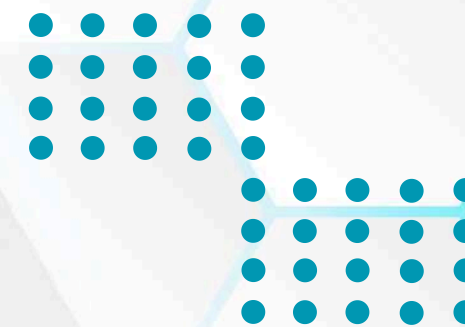


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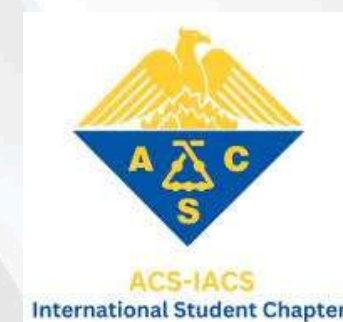
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SciVation 2026

**Annual Conference of ACS
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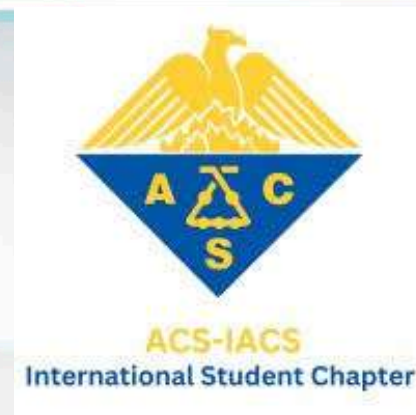
**13th February 2026; 10 AM Onwards;
C. V. Raman Hall; IACS Kolkata**



About SciVation 2026

The Gateway to Science

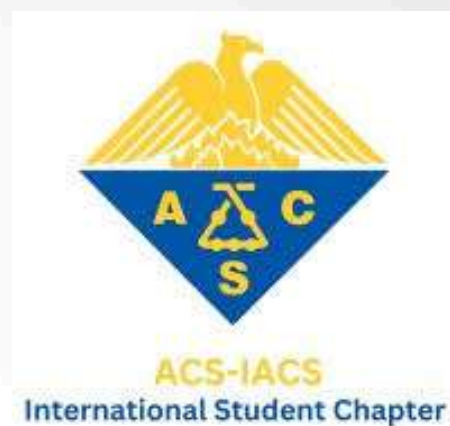
- SciVation 2026 is a broad fielded symposium focused on serving as a vibrant platform for researchers, academicians, industry professionals, and young scientists to share innovative research findings, exchange ideas, and explore emerging trends that are shaping the future of chemical sciences. In an era where chemistry increasingly intersects with biology, materials science, medicine, and environmental studies, this conference aims to foster meaningful interactions across disciplines. Through keynote lectures, invited talks, oral and poster presentations, participants will gain insights into cutting-edge methodologies, novel molecular designs, mechanistic understanding, and translational applications of contemporary research. The program is designed to encourage scientific dialogue, promote collaborative research, and inspire the next generation of scientists. We hope that this gathering will not only disseminate high quality research outcomes but also stimulate new perspectives and partnerships that contribute to the advancement of science and society. With this broad-spectrum ideology, ACS IACS students' chapter is organizing their Annual Scientific Conference 'SciVation 2026' in the upcoming year of 2025-2026 at IACS



Inauguration by



Prof. Kalobaran Maiti
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**Inaugural
Speaker**



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IACS Kolkata



Prof. Tushar Jana
University of Hyderabad



Prof. Rahul Banerjee
IISER Kolkata



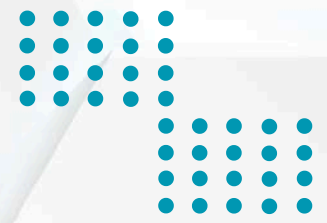
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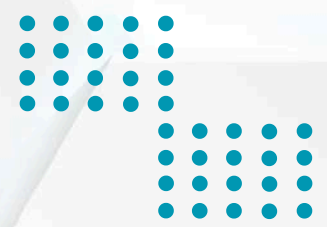


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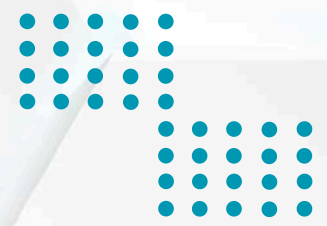


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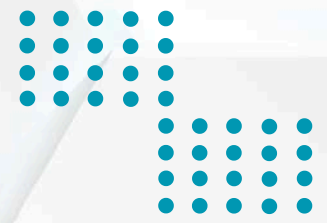


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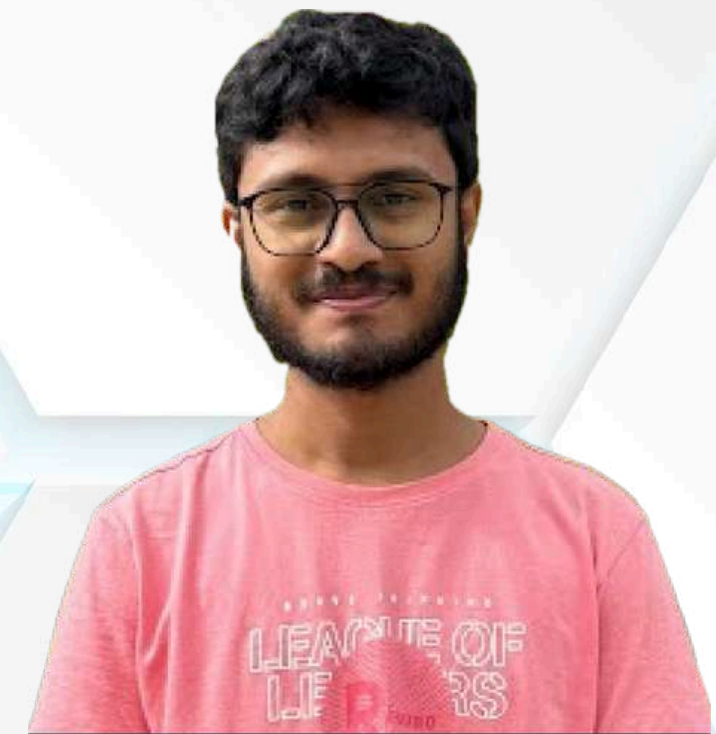
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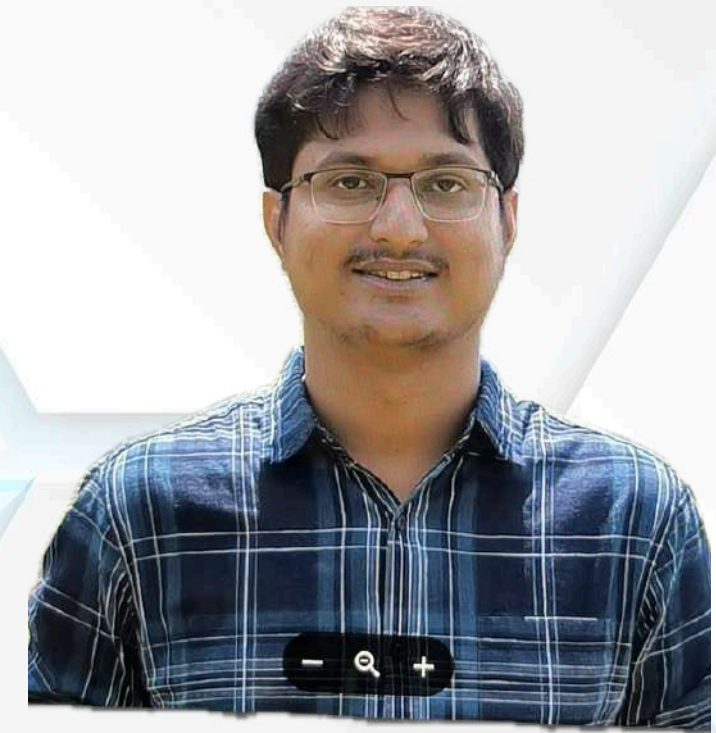
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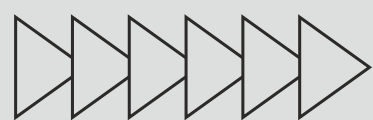


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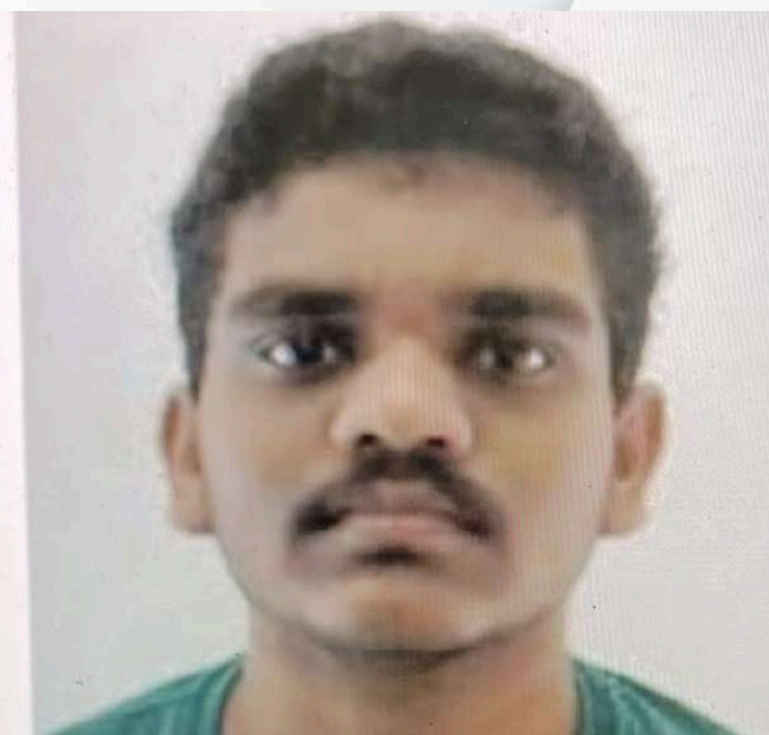


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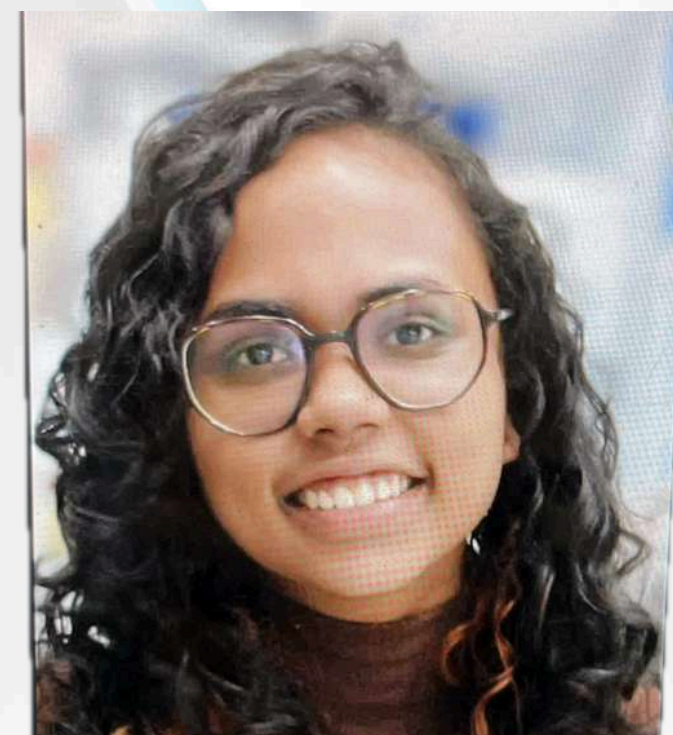
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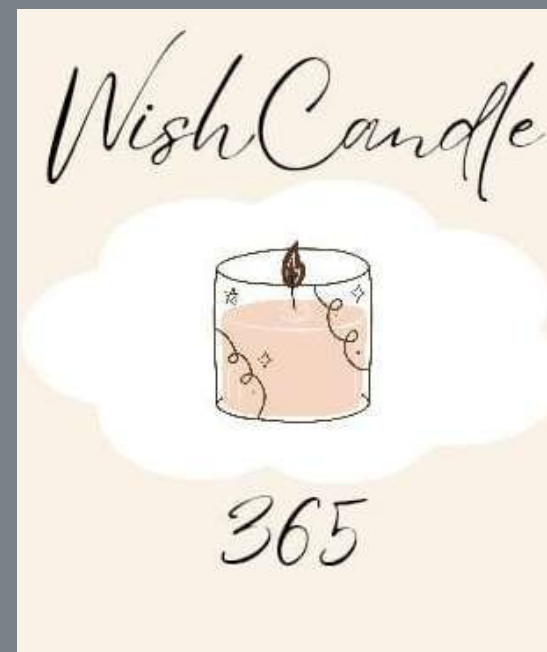
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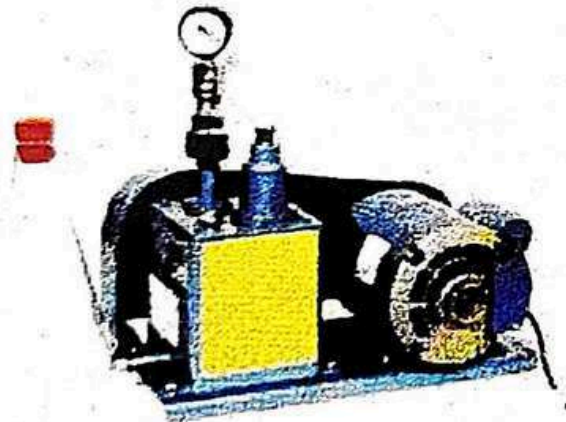
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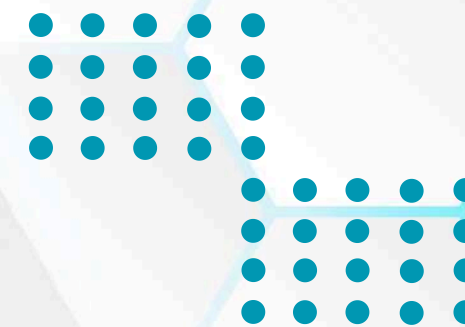
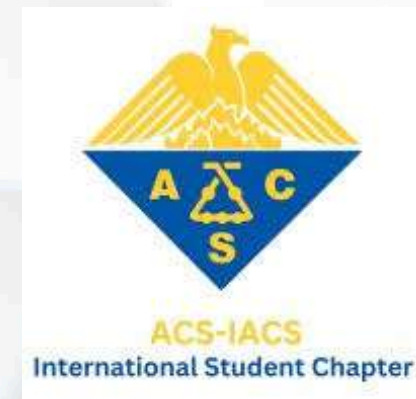
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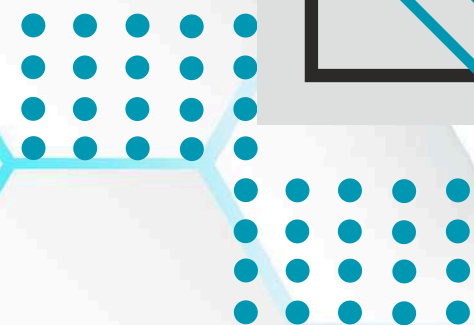
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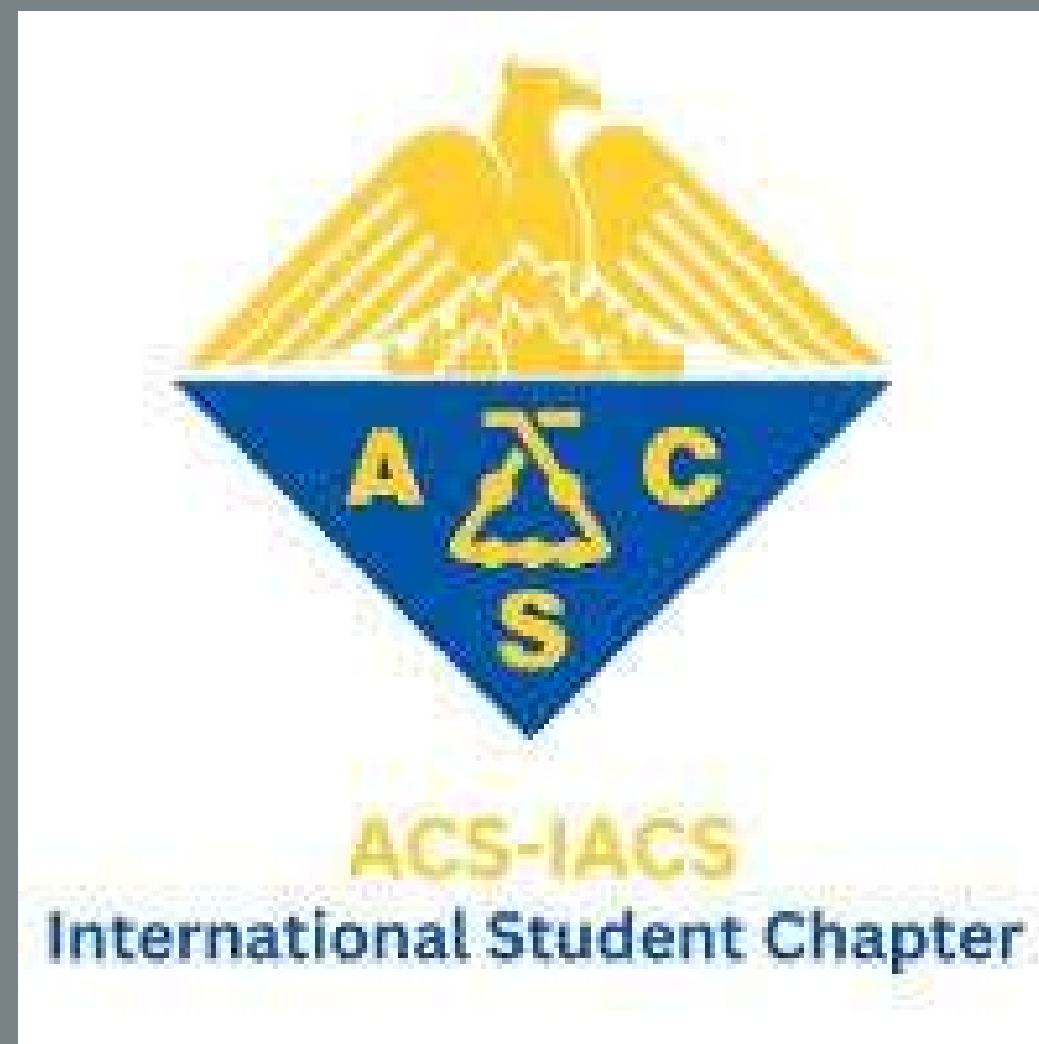
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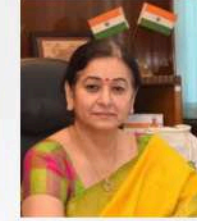
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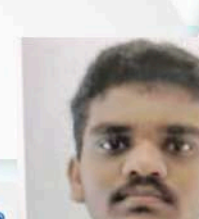


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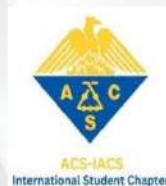
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**13th February 2026; 10 AM Onwards;
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Sl.No.	Event Name	Time	Brief Info	
1.	Inauguration by Prof. Kalobaran Maity, Director, IACS,Kolkata	10:00 - 10:10 am		
2.	Inauguration of Event Magazine and Abstract booklet	10:10 – 10:15 am		
Session 1 : Next-Generation Molecular Engineering: AI-Driven Insights and Precision Fabrication Session Chair: Prof. Arindam Banerjee & Prof. Debashree Ghosh			10:15 - 11:10 am	
3	Invited Talk by Prof. Suman Chakraborty, DCBS, SNBNCBS, Kolkata	25 + 5 min	Theme: Role of Metastable Conformational States in Proteins: From Function to Drug Discovery	
4.	FT 1 : Ananya Sinha	5 + 2 min each	Theme: Understanding Long Timescale Phenomena through Machine Learning Driven Dynamics: A Case Study on Roaming Reactions	
5.	FT 2 : Shamik Chanda		Theme: INVEST Molecules: Correlated Excited States for Next-Gen OLEDs	
6.	FT 3 : Khokan Manna		Theme: Laser Guided Micro-Bubble Lithography (MBL) Printed Electrodes for the Water Energy Nexus	
TEA BREAK (11:10 – 11:25 pm)			TEA BREAK (11:10 – 11:25 pm)	
Session 2 : Precision Supramolecular Design: Integrating Energy, Optoelectronics, and Phase Control Session Chair: : Prof. Suhrit Ghosh & Prof. Sudip Malik			11:25 – 12:20 am	
7.	Invited Talk by Prof. Tushar Jana, School of Chemistry, University of Hyderabad	25 + 5 min	Theme: Polymer Membrane: Heart of the Hydrogen Energy R & D	
8.	FT 4 : Sunetra Karmakar	5 + 2 min each	Theme: RAFT-Synthesized Citrulline-based Polymethacrylates with Tunable UCST for Dye Encapsulation and Preparing Fluorescent LCST Conjugates	
9.	FT 5 : Debjit Biswas		Theme: Deep-red Excitonic Emission from Chiral H-aggregated Dye Assemblies with Strong Solid-state Circularly Polarised Luminescence	
10.	FT 6 : Subhankar Paul		Theme: Two-Dimensional Reversible Supramolecular Polymorphism Governed by Weak Solvent–Solute Interactions	

Sl.No.	Event Name	Time	Brief Info
Session 3 : Frontiers of Catalytic Innovation: From Molecular Precision to Environmental Solutions Session Chair:: Prof. Pradyut Ghosh & Prof. Anindita Das			12:20 – 12:50 pm
11.	FT 7 : Sadhan Gorai	5 + 2 min each	Theme: Noncovalent N Heterocyclic Carbene Catalysis Enables Asymmetric Conjugate Addition of 2 Benzofuranones to Terminal C Electrophiles
12.	FT 8 : Praduman Kumar Gupta		Theme: Highly Stable Self-Supported Metal Nanostructure on the Conductive Polyaniline Nanotube Towards Electrocatalysis
13.	FT 9 : Purushattam Gayen		Theme: Sustainable Degradation of Textile Effluent in a Novel Continuous Rotating Photocatalytic Reactor Using Biogenic Silver Nanoparticles
14.	FT 10 : Arindam Basak		Theme: Unraveling the General Trend of the Reaction of Nitrite with Diiron(II)-polychalcogenides
Session 4 : Molecular Bio-Engineering: Diagnostic Precision and Antimicrobial Frontiers Session Chair: : Prof. Biman Jana & Prof. Prosenjit Sen			12:50 – 01:30 pm
15.	FT 11 : Maitrayee Biswas	5 + 2 min each	Theme: Copper Sulfide Embedded Conjugated Polymer Nanohybrids: A Promising Strategy against Drug-Resistant Bacteria and Biofilms
16.	FT 12 : Samidh Ghosh		Theme: Spectral Tuning in Cyanobacteriochrome
17.	FT 13:Anirban Naha		Theme: Non-genetic transfer of antibiotic resistance in pathogenic bacteria
18.	FT 14 : Tathagato Bhattacharyya		Theme: Hitting Two Oncogenes with One Ligand: G-Quadruplex-Driven Synthetic Lethality in Leukemia
GROUP PHOTO & LUNCH (01:30 – 02:30 pm)			

Sl.No.	Event Name	Time	Brief Info
Session 5 : SciVerse 2026 Session Chair: Prof. Samit Guha, Prof. Biman Jana, Prof. Amit Majumder & Prof. Deepak Kumar Sinha			02:30 – 03:30 pm
19.	Poster session	60 min	
Session 6: From the Desk of ACS International Session Chair: Prof. Ayan Datta			03:30 – 03:45 pm
20.	Dr. Ajay Jha & Dr. Aparna Sharma		
Session 7 : Reticular Design and Interfacial Engineering: Functional Frameworks for Energy and Medicine Session Chair: Prof. Vibha Tandon & Prof. Tapan Kanti Paine			03:45 – 04:45 pm
21.	Invited Talk by Prof. Rahul Banerjee, IISER Kolkata	25 + 5 min	Theme: Reticular Chemistry: From Covalent Organic Frameworks to Porous Crystalline Nitrogen Doped Graphite
22.	FT 15 : Nayana Mukherjee	5 + 2 min each	Theme: Ultrasound Responsive Piezoelectric Nanoparticles for Tumor Therapy
23.	FT 16 : Jishu Pramanik		Theme: Interfacial Engineering of Bi2O2Se/MXene for Enhanced Photocatalytic Nitrogen Fixation under Ambient Conditions
24.	FT 17 : Pallab Chatterjee		Theme: Protonation and Chemical Reduction Induced Aromaticity Switching of π -Extended porphyrinoids
Session 8 : Harnessing Complexity: Bio-Inspired Mechanisms to Targeted Therapeutics Session Chair: Prof. Prasanta Kumar Das & Prof. Deepak Kumar Sinha			04:45 – 05:45 pm
25.	Invited Talk by Prof. Dibyendu Das, DCS and CAFM, IISER Kolkata,	25 + 5 min	Theme: When Matter Comes Alive: Life-Like Properties Emerging from Simple Chemical Systems
26.	FT 18 : Budhaditya Bhattacharya	5 + 2 min each	Theme: Label-Free Mass Spectrometric Detection of Non-Small Cell Lung Cancer Mutations from Liquid Biopsy using Morpholino-functionalized Gold Nanoparticles

Sl.No.	Event Name	Time	Brief Info
27.	FT 19 : Pradipta Dey	5 + 2 min each	Theme: Effect of Protein on Photoisomerization of Bacteriophytochrome
28.	FT 20 : Subhendu Biswas		Theme: A Versatile Transesterification Methodology for Functional Degradable Polyesters from an Activated Diester Monomer and its Implication in Biomedical Applications
Session 9 : Advanced Chemical Synthesis and Emerging Paradigms in Energy Conversion Session Chair: Prof. Tarun Kumar Mondal & Prof. Joyram Guin			05:45 – 06:15 pm
29.	FT 21 : Soumya Mondal	5 + 2 min each	Theme: Decarboxylative C-C Cross Coupling of α , β -Unsaturated Esters with Unactivated Cyclic Ethers via Criegee Intermediate
30.	FT 22 : Souvik Maiti		Theme: Visible Light-Induced Decarboxylative Annulation of olefin with Amines and α -Keto-acids for aryl substituted quinolines Synthesis
31.	FT 23 : Ahitagni Roy		Theme: Facet-engineered Cu-In alloys for electrocatalytic ammonia synthesis in alkaline and neutral media
32.	FT 24 : Amit Ghoshal		Theme: Exploration of High Energy Density Layered Oxide Cathode Materials with Transition Metal Layer Disorderedness for Na-ion Batteries
Session 10 : Advanced Chemical Architectures: From Perovskite Nanostructures to Macrocyclic Coordination Session Chair:Prof. Samit Guha & Prof. Amit Majumder			06:15 – 06:45pm
33.	FT 25 : Riddhi Mitra	5 + 2 min each	Theme: An Amine-mediated Synthesis Strategy for Shape-controlled Cesium Lead Halide Perovskite Nanoplatelets
34.	FT 26 : Rupak Chatterjee		Theme: Acetylene-Linked Conjugated Microporous Polymers for CO2 Photoreduction to Methanol: Effect of Acceptor and π -Bridge Engineering
35.	FT 27 : Rajib Samanta		Theme: Unravelling the Influence of Ligand Topology and Amide Functionality in Tuning Cu(II)-Catalyzed Oxygen Reduction Reactions
36.	FT 28 : Anirban Panua		Theme: Organocopper(III), Organopalladium(IV) Complex of N-Confused Corrole and doubly N-Confused Porphyrin
Session 11			06:45 – 07:00 pm
37.	Felicitaton Ceremony & Vote of Thanks		

Sl.No.	Name	Affiliation	Abstract
GR 1	Nikhil Yenugu	IISER Kolkata	A Grid-Based Gauge-Invariant Non-Perturbative Solution of the Schrödinger Equation for Diatomic Molecules in Strong Magnetic Fields
GR 2	Debapriya Dey	IACS, Kolkata	An Approach to Inhibit Cancer Cell Migration and Growth by Targeting Non muscle Myosin II And Topoisomerase I
GR 3	Debarati Ghosh	Jadavpur University, Kolkata	Bimetallic Cu-doped MoSSe (Mo _{1-x} Cu _x SSe) as efficient electrode for supercapacitor application
GR 4	Mandira Das	Jadavpur University, Kolkata	Combinational Therapy against MDA-MB-231 Cell Line Using A HSP90-Inhibitor and Doxorubicin Encapsulated Nanocubes
GR 5	Saikat Dhibar	IACS, Kolkata	Combining physical intuition with explainable machine learning model to derive optimized collective variable and accelerate rare event transitions in bio-molecular systems
GR 6	Sudip Kundu	Jadavpur University, Kolkata	Dual Drug loaded Mn ²⁺ -doped Prussian Blue Nanocubes Improve Chemo-immuno-theranostic Performance.
GR 7	Sautrik Bhattacharya	IISER Kolkata	Effects of various physicochemical parameters on the Biofilm formation and Pyocyanin production in Pseudomonas aeruginosa PA14
GR 8	Pratyush Bhattacharjya	IISER Kolkata	Efficient Propagation Schemes for the Time-Dependent Schrödinger Equation in Strong Magnetic Fields: From Classical Integrators to Emerging Data-Driven Approaches
GR 9	Arkadeep Karmakar	Bose Institute, Biological Sciences	Engineered Thermostable Self-reporting GlowCas9 System For Real-time Theratracking Applications
GR 10	Iti Ghosh	IACS, Kolkata	Halogen Bonding Driven Selective Liquid-Liquid Extraction of Iodide from Water by a Hexapodal Receptor
GR 11	Puja Pal	IACS, Kolkata	Heme-Insulin Interaction and their Peroxidase activity associated with Type 2 Diabetes Mellitus (T2Dm)
GR 12	Gopal Kanrar	St. Xavier's College (Autonomous), Kolkata	Hydrazonyl-Quinone-Catalyzed Alcohol Dehydrogenation and One-Pot Synthesis of Azaheterocycles
GR 13	Sayan Bhattacharjee	IISER Kolkata	Interaction-Specific Control Over Self-Assembly Landscape and Supramolecular Chirality
GR 14	Puja Garai	IACS, Kolkata	Janus Nanoparticles: Self-Propelled Motion, Extended Membrane Attachment, Drug Delivery and Antibacterial Action
GR 15	Prithvish Bhattacharjee	IACS, Kolkata	N-Heterocyclic Carbene Catalyzed Kinetic Resolution of α -Unsubstituted β -Hydroxy Amide via Transfer Acylation

Sl.No.	Name	Affiliation	Abstract
GR 16	Kathakoli Roy	IACS, Kolkata	Orange Emitting Naphthalene Diimide based Luminogen for fluorometric detection of Thiol through Click Reaction
GR 17	Santanu Shaw	IACS, Kolkata	Protein Delivery to the Cytosol and Nucleus via Micellar Nanocarrier-Based Nonendocytic Uptake
GR 18	Nabin Parui	IACS, Kolkata	Regioselective and Chemodivergent Synthesis of 1,3-Indandione fused Spirocyclopentenones and Spiropyrrolidines
GR 19	Aritra Mondal	Presidency University; Kolkata	Synthesis of pyrrol-2-one derivatives via CuI/TEMPO-mediated aerobic oxidative sp ³ C-H functionalization affording C-N cross Coupling
GR 20	Arko Mohari	IACS, Kolkata	Title: Learning to Shrink: Structure-Based ML for 2D NTE Materials
GR 21	Shivam Pandey	IACS, Kolkata	Turning Heat into Electricity: Driving High ZT Through Soft Phonon Engineering
GR 22	Rimi Ghosh	IACS, Kolkata	Unprecedented LPMO Activity Exhibited by Cu bound Amyloidogenic Peptides
GR 23	Pritha Das	IACS, Kolkata	Exploring LD dynamics in Liver Cells under starvation condition
GR 24	Buddhadev Mukherjee	IACS, Kolkata	Vertically Aligned Piezoelectric Nanopillar Array for Enhanced Antibacterial Performance
GR 25	Soumi Das	IACS, Kolkata	Ultrasound Responsive Piezoelectric Biomaterials for Therapeutic Applications
GR 26	Sutirtha Panda	IACS, Kolkata	Nanocarrier Mediated Mitochondrial Delivery of Molecular Drugs for Light and Sound-Based Therapy
GR 27	Susmita Pramanik	IACS, Kolkata	Super-Super-Exchange AFM interaction via d ¹⁰ Electronic Tuning Stabilizes Fe ⁴⁺ in Low-Hysteresis Li-Rich Li ₄ FeSbO ₆ Cathode
GR 28	Amarendra Ghosh	IACS, Kolkata	The Effect of Nonadiabaticity in H + H ₂ Reaction: A Quantum Wavepacket Dynamics on Adiabatic and Diabatic Potential Energy Surfaces
GR 29	Avik Guchait	IACS, Kolkata	Ab Initio Adiabatic Potential Energy Surfaces and Non-adiabatic Couplings for O ₃ : Construction of Four State Diabatic Hamiltonian
GR 30	Sanju Bhaskar	IACS, Kolkata	Total Synthesis of Okeaniamide A
GR 31	Sayan Maji	IACS, Kolkata	Effect of post-synthetic modification of Lithium Disordered Rocksalt Structure cathode material for Li-ion Battery

Sl.No.	Name	Affiliation	Abstract
UG 1	M S Swagatha	IACS Kolkata	Co-precipitation Synthesis Of Nickel Oxide Nanomaterials With Morphological Characterization And Its Functional Relevance.
UG 2	Ayush Roy	St. Xavier's College, Kolkata	Fractional Calculus: A Mathematical Approach To Understanding Cancer Biology
UG 3	Adrija Bhakta	IACS Kolkata	‘Dioxygen Reduction And Bioinspired Oxidations By Non-heme Iron (Ii)- α -hydroxy Acid Complexes’
UG 4	Pankaj Pal	IACS Kolkata	A Geant4 Based Simulation Study Of Proton Therapy And Biological Dose Modeling
UG 5	Rik Chakraborty	St. Xavier's College, Kolkata	Application Of Starfish Optimization Algorithm (SFOA) To Problems In Natural Sciences
UG 6	Debomoyee Nandy	St. Xavier's College, Kolkata	Beyond Metals: Fluxional Diazene Electrocatalysts For C ₂ And C ₃ Products Formation From CO ₂
UG 7	Archishman Banerjee	St. Xavier's College, Kolkata	Ruthenium Complexes Of Redox Non-innocent Aryl-azo-oximes For Catalytic A-alkylation Of Ketones And Synthesis Of 2-substituted Quinolines
UG 8	Niall Sankara Narayanan Thoguluva	IACS Kolkata	Synthesis Of Gold Nanoparticles By A Modified Brust-schiffrin Method
UG 9	Ahana Roy	St. Xavier's College, Kolkata	Waste To Wellness: Sustainable Extraction Of Natural Fragrances And Functional Actives Using Switchable Solvent Technology
UG 10	Kazi Tasneem Parvin	St. Xavier's College, Kolkata	Azo-phenol Based Metallogels: Metal – Ligand Cooperativity For Redox Catalysis
UG 11	Sanchali Baitalik.	St. Xavier's College, Kolkata	The Elusive Alcohol: Probing The Existence Of Methanetetrol
UG 12	Anwit Bankura	IACS Kolkata	5'-phosphoramidite Approach For The Synthesis Of Piperidino Oligomer And Its Chimeras In An Automated Oligo Synthesizer And Their Biophysical Properties
UG 13	Annesha Pal	St. Xavier's College, Kolkata	The Architecture Of Precision: Medicinal Chemistry And Structure -Activity Relationships In Modern Anticancer Drug Development
UG 14	Aishee Acharya	Presidency University, Kolkata	Development Of Transition Metal Free Oxidative Methods For Sp ³ C-H Functionalization
UG 15	Debaditya Chakraborty	Heritage Institute Of Technology,kolkata	Role Of 1,8-cineole-rich Small Cardamom Extract As An Antimicrobial Agent -An Approach To Improve Shelf Life Of Prawn