

FOSTERING CHEMICAL SCIENCES (FCS) 2025		
December 02, 2025 (Tuesday)		
08:30-09:30	REGISTRATION	
09:30-10:30	Inaugural Function	
Session-I	Chairperson	Prof. Amitava Das
Technical Session-I		
10:30-10:45 IDL-1	Speaker: Prof. Santanu Bhattacharya, IISER Tirupati Title: TBA	
10:50-11:05 IDL-2	Speaker: Dr. Surya Prakash Singh, IICT Hyderabad Title: Development of energy harvesting molecules: From structure to function	
11:10-11:25 IF-I	Speaker: Prof. Arunan, Elangannan, IISc, Bangalore Title: Shock tube investigations reveal potential carrier for diffuse interstellar band $\lambda 5450$	
11:25-12:00	High Tea & Student/Scholars Discussion with Speakers	
Session-II	Chairpersons	Prof. Amitava Das/Prof. S. P. Singh
Technical Session-II		
12:00-12:15 IF-II	Speaker: Prof. D. B. Ramachary, University of Hyderabad Title: Discovery of Sustainable Organocatalytic Reactions	
12:20-12:35 IF-III	Speaker: Prof. Subi George, JNCASR Title: Towards Life-Like Behavior in Supramolecular Polymers	
12:40-12:55 IF-IV	Speaker: Prof. S. K. Ghosh, IISER-Pune Title: Extraction Of Critical Minerals By Metal–Organic Frameworks (MOFs) And Related Advanced Porous Materials For a Sustainable Future	
13:00-13:15 IF-V	Speaker: Prof. Sundargopal Ghosh, IIT Chennai Title: Stabilization of Diboranes and Bn Rings ($n = 3-6$) on Transition Metal Templates	
13:20-13:35 IF-VI	Speaker: Prof. Partha Sarathi Mukherjee, IISc, Bangalore Title: Molecular Flasks	
13:35-15:00	Lunch and Poster Presentation (P1-P50)	
Session-III	Chairpersons	Prof. Amitava Das/Prof. J. P. Mittal
Technical Session-III		
15:00-15:15 IF-VII	Speaker: Prof. D. S. Rawat, Delhi University/Vice-Chancellor, Kumaun Univ., Nainital Title: Towards the End of Two Century Years of Suffering: The Phase II Human Clinical Trials and the Future of Parkinson's Care	
15:20-15:35 IF-VI	Speaker: Prof. BM Reddy, BITS Pilani, Hyderabad Title: Nanosized ceria-based catalysts for energy and environmental applications	
15:40-16:05 IYA-I	Speaker: Dr. Durga Prasada Hari, IISc, Bangalore Title: Carbene Mimics from Strained Rings	
16:10-16:25 IYA-II	Speaker: Dr Uttam Kumar Ghorai, Ramakrishna Mission Vidyamandira, Howrah Title: Electrochemical synthesis of green ammonia, green urea & nitric acid under ambient conditions: Fundamental and translational Components	
16:25-16:45	Tea Break & Student/Scholars Discussion with Speakers	
Session-IV	Chairpersons	Prof. Amitava Das/Prof. Subrata Ghosh
Technical Session-IV		
16:45-17:00 IYA-III	Speaker: Dr Indranath Chakraborty, Indian Institute of Technology Kharagpur Title: Precision Engineering of Nanoclusters: Advancing Structural and Functional	

	Properties	
17:05-17:20 IAF-I	Speaker: Prof. S.S.V. Rama Sastry, IISER, Mohali Title: Cascade Transformations Promoted By Sulfoxonium Ylides For The Rapid Creation Of Skeletal Complexity	
17:25-17:40 IAF-II	Speaker: Prof. Basker Sundararaju, IIT Kanpur Title: Evolution of Co(III)-Catalysis in Asymmetric C-H Bond Functionalizations	
17:45-18:00 IAF-III	Speaker: Dr Dibyendu Das, IISER, Kolkata Title: Non-equilibrium self-assembly for living matter-like properties	
17:45-18:30 F-XVI	Panel Discussion: “Future Challenges of Chemical Sciences: Academia and Industry” Moderator: Prof. Shrikant Kukreti and Prof. M. D. Milton Panelist: Dr. BVNBS Sarma, Sr. VP, Sai Life Sciences, Dr. G.S. Kapur, Advisor (R&D), GAIL	
19:00	Dinner	
Fostering Chemical Sciences		
December 3 rd , 2025 (Wednesday)		
09:00-09:30	REGISTRATION	
Session V	Chairpersons	Prof. Rajeev Gupta & Prof. Rama Kant
Technical Session-V		
09:30-09:55 IL-1	Speaker: Prof. Anuj Sharma, IIT Roorkee Title: Radical-Based Transformative Routes to Carboxylic Acids	
10:00-10:25 IL-2	Speaker: Prof. Swadhin Mandal, IISER Kolkata Title: Low-valent Phosphorus Compounds as Transition Metals	
10:30-10:55 IL-3	Speaker: Prof. T. Punniyamurthy, IIT, Guwahati Title: TBA	
10:55-11:20	Tea Break & Student/Scholars Discussion with Speakers	
Session VI	Chairpersons	Prof. R. Nagarajan/Prof. M. Nath
Technical Session-VI		
11:20-12:00 PL	Speaker: Prof. D. Basavaiah, University of Hyderabad Title: TBA	
12:05-12:30 IL-4	Speaker: Prof. Nitin Patil, IISER Bhopal Title: Enantioselective Gold Redox Catalysis	
12:35-13:00 IL-5	Speaker: Dr. Ravindra Kumar, CSIR-CDRI, Lucknow Title: Organo-catalysed Skeletal Editing Approach for the Synthesis of Azaborines and of BN-Isosteres via Wolff-type rearrangement	
13:05-13:30 IL-6	Speaker: Dr. BVNBS Sarma Title: TBA	
13:30-14:30	Lunch and Poster Presentation (P51-P100) (Sponsored by Sai Life Sciences Ltd, Hyderabad)	
Session VII	Chairpersons	Prof. K. C. Gupta and Prof. Parbati Biswas
Technical Session-VII		
14:30-14:55 IL-7	Speaker: Prof. Debayan Sarkar, IIT, Indore Title: Rise of Tribromide Tools – Precision Dearomatisation for 3D Molecular Frameworks	

15:00-15:25 IL-8	Speaker: Dr. T. Saravanan, University of Hyderabad Title: Asymmetric β -Alkylation Enabled by EDA-Mediated Photobiocatalysis
15:30-15:55 IL-9	Speaker: Prof. Vandana Bhalla, GNDU, Amritsar Title: Understanding the Regulation of Self-assembly and Excited State Behaviour in Donor-Acceptor Systems
16:00-16:25 IL-10	Speaker: Dr. P. V. Srinivasa, Granules India Ltd, Hyderabad Title: A Concise Overview on API Selection Considering Economical and Eco-friendly Practices
16:30-16:55 IL-11	Speaker: Prof. E. Srinivasa, Central University of Rajasthan Title: TBA
17:00	<i>Valedictory Function</i>