

ChemSci2023: Leaders in the Field Symposium

23-25 January 2023
JNCASR Bangalore

Day 1: 2023 January 23 (Monday, 09:30 AM - 06:00 PM IST)	
09.30-10.00	Inaugural
Chair	Prof Umesh Waghmare
10.05-10.35	Prof Sebastian C Peter, JNCASR Bangalore <i>Carbon Recycling for Sustainable Energy: A Journey from Fundamental Chemistry to Green Technologies</i>
10.40-11.10	Prof R Vaidyanathan, IISER Pune <i>COF a Solution when Space and Flexibility Matters</i>
11.15-11.45	Tea
Chair	Prof Kanishka Biswas
11.45-12.15	Prof Serena DeBeer, Max Planck Institute for Chemical Energy Conversion <i>Making and breaking bonds: Advanced spectroscopic studies of energy converting enzymes</i>
12.20-12.50	Prof Sujit Ghosh, IISER Pune <i>Uranium Extraction from (Sea)Water: Its Significance in the field of Clean Energy and Safe Drinking Water</i>
12.50-14.00	Lunch
14.00-15.30	Poster & Tea
Chair	Prof Santanu Bhattacharya
15.30-16.00	Prof AT Biju, IISc Bangalore <i>N-Heterocyclic carbene-catalyzed synthesis of axially chiral molecules</i>
16.05-16.35	Prof Debabrata Maiti, IIT Bombay <i>Photoinduced regioselective functionalisation of arenes at proximal and distal sites</i>
Chair	Prof Jayanta Haldar
16.40-17.10	Prof Rambabu Chengodi, CSIR-IICT Hyderabad <i>Copper(I)-Catalyzed Asymmetric Reductive and Borylative Transformations</i>
17.15-17.45	Prof Suman De Sarkar, IISER Kolkata <i>Controlling Radical Reactivity under Photo- and Electro-chemical Conditions</i>

Day 2: 2023 January 24 (Tuesday, 09:30 AM - 06:00 PM IST)	
Chair	Prof Uday Maitra
09.30-10.00	Prof Sanchita Sengupta, IISER Mohali <i>Multi-stimuli Responsive Light-Harvesting Antennae and Rotors as Multifunctional Sensors</i>
10.10-10.40	Prof Subhabrata Maiti, IISER Mohali <i>Biocolloidal taxis powered by supramolecular interactions and catalysis</i>
10.40-11.00	Tea
Chair	Prof A Ajayaghosh
11.00-11.30	Prof Stephen Goldup, University of Southampton <i>The synthesis and applications of mechanically chiral molecules</i>
11.35-12.05	Prof Subhajit Bandyopadhyay, IISER Kolkata <i>Lumos maxima: The spell with light in a world of molecular machines</i>
12.10-13.10	Editors Panel (May Copsey, Steve Goldup, Serena DeBeer, Subi George)
13.15-14.00	Lunch
14.00-15.30	Poster & Tea
Chair	Prof Ruchi Anand
15.30-16.00	Prof Vishal Rai, IISER Bhopal <i>Disintegrate theory enabling precision engineering of proteins</i>
16.05-16.35	Prof Harsha Bajaj, CSIR-NIIST Thiruvananthapuram <i>Dynamic Compartmentalization in Synthetic Cells</i>
Chair	Prof T Govindaraju
16.40-17.10	Prof Shibdas Banerjee, IISER Tirupati <i>Intercepting chemical and biochemical information by microdroplets</i>
17.15-17.45	Prof K Geetharani, IISc Bangalore <i>Development of N-Heterocyclic Carbene Complexes of Cobalt for Carbon-Boron Bond Formation</i>

Day 3: 2023 January 25 (Wednesday, 09:30 AM - 03:00 PM IST)	
Chair	Prof Tapas Maji
09.30-10.00	Prof Subrata Kundu, IISER Thiruvananthapuram <i>Modelling of Multifaceted Reactivity of Nitrite as a Bioregulator</i>
10.10-10.40	Prof Sukhendu Mandal, IISER Thiruvananthapuram <i>New advances in silver and copper nanoclusters</i>
10.40-11.00	Tea
Chair	Prof H Ila
11.00-11.30	Prof Jyotishman Dasgupta, TIFR Mumbai <i>Tracking the intermediate correlated T-T pair in Singlet Exciton Fission</i>
11.35-12.05	Prof Ranjani Viswanatha, JNCASR Bangalore <i>An Overview of the Fundamental Properties in Transition Metal Doping in CdS Quantum Dots</i>
Chair	Prof Sarit S Agasti
12.10-13.15	Poster Awards & Student Talks
13.15-13.20	Conclusion
13.20-14.30	Lunch & Dispersal