

Modern Trends in Chemical and Biological Sciences

Department of Chemistry, Indian Institute of Technology Kanpur

Outreach Auditorium

Day 1: October 6, 2023

9:00 AM – 9:05 AM	Opening Remarks by Convener, Prof. Ritika Gautam
9:05 AM – 9:10 AM	Lighting of Lamp
9:10 AM – 9:15 AM	Address by the Director, IIT Kanpur, Prof. S. Ganesh
9:15 AM – 9:20 AM	Address by Head, Department of Chemistry, Prof. J. K. Bera
9:20 AM – 9:40 AM	Photo Session
Session I Chair: Prof. R. Ramapanicker	
9:40 AM – 10:00 AM (L - 1)	Speaker: Prof. Nandita Madhavan Title: Sustainable Synthesis of Peptide Drugs
10:00 AM – 10:20 AM (L - 2)	Speaker: Prof. Dimpny Kalia Title: Location-agnostic site-specific protein bioconjugation via BHoPAL
10:20 AM – 10:40 AM (L - 3)	Speaker: Prof. Sanhita Sinharay Title: Noninvasive molecular imaging - probes and methods to aid precision healthcare
10:40 AM – 11:00 AM (L - 4)	Speaker: Prof. Nidhi Gour Title: Metabolite amyloids and its possible implications in the disease etiology
11:00 AM – 11:30 AM - Tea Break	
Session II Chair: Prof. S. P. Rath	
11:30 AM – 11:50 AM (L - 5)	Speaker: Prof. K. Geetharani Title: Efficient routes to salient C-B bonds through base-metal and metal-free transformations
11:50 AM – 12:10 PM (L - 6)	Speaker: Prof. Ruchi Anand Title: Sensing Platforms for Aromatic Pollution Detection
12:10 PM – 12:30 PM (L - 7)	Speaker: Prof. Shabana Khan Title: Silylene Metal Complexes: Bonding to Catalysis
12:30 PM – 12:50 PM (L - 8)	Speaker: Prof. Neetu Singh Title: Understanding cell-cell and cell material interactions in 2D and 3D for tissue engineering applications
12:50 PM – 3:00 PM - Lunch Break	
Session III Chair: Prof. M. K. Ghorai	
3:00 PM – 3:20 PM	Speaker: Dr. Ale Palermo (Head of Global Inclusion, RSC) Title: Gender inequalities in chemistry: A global perspective
3:20 PM – 4:00 PM	Panel Discussion: Inclusion and Diversity in Science
4:00 PM – 4:30 PM	Felicitation Ceremony for Prof. H. Ila
4:30 PM – 6:00 PM Poster Session (Tea) (Outreach Hall of Fame)	

Day 2: October 7, 2023

Session IV Chair: Prof. D. H. Dethe	
9:30 AM – 9:50 AM (L - 9)	Speaker: Prof. Ritika Gautam Title: Redox Modulation of Health and Disease: From Inorganic Chemistry to Translational Medicine
9:50 AM – 10:10 AM (L - 10)	Speaker: Prof. Priyanka Singh Title: Centrosome in Cell division: Mechanism to Chemotherapeutic
10:10 AM – 10:30 AM (L - 11)	Speaker: Prof. Rituparna Sinha Roy Title: Emerging approaches for designing peptide based therapeutics
10:30 AM – 10:50 AM (L - 12)	Speaker: Prof. Moumita Majumdar Title: The Chemistry of the Germanium(IV) Di-cations
10:50 AM – 11:20 AM (Tea Break)	
Session V Chair: Prof. N. N. Nair	
11:20 AM – 11:40 PM (L - 13)	Speaker: Prof. Prema Vasudev Title: Crystallographic and bioinformatics studies on a lytic polysaccharide monoxygenase from plants
11:40 AM – 12:00 Noon (L - 14)	Speaker: Prof. Bidisa Das Title: Modelling Environmental Nanostructures: Iron Oxyhydroxides, structure and reactivity
12:00 Noon – 12:20 PM (L - 15)	Speaker: Prof. Anindita Das Title: Pathway-Controlled Supramolecular Polymers: Structure and Properties
12:20 PM – 12:40 PM (L - 16)	Speaker: Prof. Iti Gupta Title: Metal dipyrinatato complexes as theranostic agents in phototherapy
Poster Prize Distribution	
Vote of thanks	

Note: L = 17 + 3 minutes