



Symposium on  
Synthesis, Catalysis and Chemical Biology

K. V. Auditorium, Institute of Chemical Technology, Matunga, Mumbai

Thursday, 18<sup>th</sup> January 2024

<b>9.00 to 10:00 AM</b>	<b>REGISTRATION &amp; TEA (ACS Session)</b>	
10:00 to 10:15 AM	Inaugural Session	Address by Vice Chancellor Welcome talk by convener
10:15 to 10:55 AM	Dharamji Morarji Chemical Company Endowment Plenary Lecture	<b>Prof. Akkattu Biju</b> Indian Institute of Science, Bengaluru <b>Title:</b> N-Heterocyclic Carbene (NHC)-Catalyzed Synthesis of C-N, C-O and N-N Axially Chiral Molecules
10:55 to 11:25 AM	Lecture 1	<b>Prof. Nandita Madhavan</b> Indian Institute of Technology, Bombay <b>Title:</b> Ready access to cyclic peptides for Pharmaceutical applications
11:25 to 11:55 AM	Lecture 2	<b>Prof. Basker Sundararaju</b> Indian Institute of Technology, Kanpur, India. <b>Title:</b> A Decade Effort in Understanding the Chemistry of High-valent Cobalt
11:55 to 12:15 PM	<b>Tokyo Chemical Industries presentation</b>	
<b>12:15 to 1:45 PM</b>	<b>LUNCH TIME (Sponsored by ROYAL SOCIETY OF CHEMISTRY)</b>	
1:45 to 2:25 PM	G. D. Gokhale Endowment Plenary Lecture	<b>Prof. Vishal Rai</b> Indian Institute of Science and Educational Research (IISER Bhopal) <b>Title:</b> Disintegrate theory for precision engineering of proteins and antibodies
2:25 to 2:55 PM	Lecture 3	<b>Prof. Nidhi Jain</b> Indian Institute of Technology (IIT Delhi) <b>Title:</b> Visible light photoredox catalysis in organic transformations
2:55 to 3:25 PM	Lecture 4	<b>Dr. Dibyendu Das</b> Indian Institute of Science and Educational Research (IISER Kolkatta) <b>Title:</b> Adaptive Life-Inspired Objects via Systems Chemistry
<b>3.25-3.45 PM</b>	<b>TEA BREAK (Wiley Session)</b>	
3:45 to 4:15 PM	Lecture 5	<b>Dr. Shabana Khan (WILEY LECTURE)</b> Indian Institute of Science and Educational Research (IISER Pune) <b>Title:</b> N-Heterocyclic Silylene-Copper(I) Aryl Complex: Access to Versatile Cu(I) Synthons
4:15 to 4.45 PM	Lecture 6	<b>Dr. Ekambaram Balaraman</b> Indian Institute of Science and Educational Research (IISER Tirupati) <b>Title:</b> Catalytic (D)hydrogenation Reactions for Sustainable and Affordable Chemical Synthesis
4.45 to 5.45 PM	ICT-RSC Innovation Lecture talk	<b>Prof. Praveen Vemula</b> DST InSTEM, Bengaluru <b>Title:</b> Science Entrepreneurship – A tale of (ad)ventures in translational science
<b>7.30 to 10.00 PM</b>	<b>CONFERENCE DINNER (Sponsored by ROYAL SOCIETY OF CHEMISTRY)</b>	



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10:00 to 10:40 AM	Daiichi Karkaria Endowment Plenary Lecture	<b>Prof. Debabrata Maiti</b> Indian Institute of Technology, Bombay <b>Title:</b> En-Lightening C–H functionalization
10:40 to 11:10 AM	Lecture 7	<b>Dr. Lisa Roy</b> ICT-IOC Bhubaneswar <b>Title:</b> Harnessing Non-covalent Interaction in Catalysis
<b>11.10 to 11.30 AM</b>	<b>TEA &amp; COFFEE BREAK (Thieme Session)</b>	
11:30 to 12:00 PM	Lecture 8	<b>Dr. Dhiraj Bhatia</b> Indian Institute of Technology, Gandhinagar <b>Title:</b> DNA-based programmable nanodevices to instruct biological systems
12.00 to 12.30 PM	Lecture 9	<b>Dr. Buddhadeb Chattopadhyay</b> Center of Biomedical Research, Lucknow <b>Title:</b> Catalyst Engineering for C–H Bond Functionalization
12:30 to 1:00 PM	Lecture 10	<b>Dr. Ishu Saraogi</b> Indian Institute of Science and Educational Research (IISER Bhopal) <b>Title:</b> Chemical Strategies for the Development of Novel Therapeutic Agents
<b>1:00 to 2:30 PM</b>	<b>LUNCH TIME (Sponsored by JAY CHEMICALS)</b>	
2:30 to 3:10 PM	Golde Jubilee Endowment Plenary Lecture	<b>Prof. Nitin Patil</b> Indian Institute of Science and Educational Research (IISER Bhopal) <b>Title:</b> Light enabled redox gold catalysis
3.10 to 3.40 PM	Lecture 11	<b>Dr. Shraeddha Tiwari</b> Institute of Chemical Technology, Mumbai <b>Title:</b> Using solvent microheterogeneity for tuning the reactivity in TEMPO-mediated photochemical reactions
3.40 to 4.10 PM	Lecture 12	<b>Dr. Sandeep Murarka</b> Indian Institute of Technology, Jodhpur <b>Title:</b> Photo-induced Site-Selective Functionalization of (Aza)Pyrimidine Nucleosides
<b>4.10 to 4.30 PM</b>	<b>TEA &amp; COFFEE BREAK</b>	
4.30 PM to 5.30 PM	Lecture 13	<b>Dr. Sudam Dawande</b> Indian Institute of Technology, Chennai <b>Title:</b> Domino Reactions of $\alpha$ -imino Rhodium (II) Carbenoids: Synthesis of privileged polycyclic indole scaffolds
5:00 to 5.30 PM	Lecture 14	<b>Prof. Atul Chaskar</b> Institute of Chemical Technology, Mumbai <b>Title:</b> C-H bond Functionalization: A Promising Tool for synthesis of Key building blocks for the construction of complex Drug Candidates.
5:30 to 5:50 PM	<b>VALEDICTORY FUNCTION</b>	