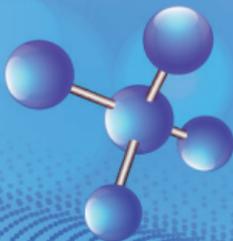


# XXIV NOST ORGANIC CHEMISTRY CONFERENCE

3<sup>rd</sup> March - 6<sup>th</sup> March 2025

Jaypee Palace Hotel & Convention Centre  
Agra, India

Scientific Program



**Day 1: Monday, March 3, 2025**

14:00 – 15:20	<b>Arrival, Check-In and Registration</b>
15:30 – 15:35	<b>Welcome Remarks by Chair-NOST Council</b> Krishna P Kaliappan (IIT Bombay)
15:35 – 15:45	<b>NOST- A Brief Overview by President-NOST</b> Ganesh Pandey (BHU, Varanasi)
<b>Trustees Session</b>	
<b>Session I (15:45 – 17:40)</b> Chairpersons : D. S. Reddy and Jerome Lacour	
15:45 – 16:15	<b>Peter Seeberger (Max Planck Institute, Potsdam, Germany)</b> 'Curiosity Driven Chemical Research is Key to Developing Vaccines, Medications and a Circular Chemical Economy'
16:15 – 16:45	<b>Srinivas Hotha (IISER Pune)</b> 'CISter: A Chemical Glycan Editing Reaction Sequence'
16:45 – 17:05	<b>Namrata Rastogi (CSIR-CDRI, Lucknow)</b> 'Reactivity Pattern of Diazo Group in Hypervalent Iodine Diazo Reagents'
17:05 – 17:25	<b>Rajarshi Samanta (IIT Kharagpur)</b> 'Transition Metal Catalysed Insertion of Diazoquinones'
17:25 – 17:40	<b>Tea Break</b>
<b>Kondaiah and Palle Session</b>	
<b>Session II (17:40 – 19:20)</b> Chairpersons : Nitin Patil and Vidya Avasare	
17:40 – 18:00	<b>Indranil Chatterjee (IIT Ropar)</b> 'Light-Camera-Action: Shining Visible Light on Hantzsch Ester'
18:00 – 18:20	<b>Pavan Kancharla (IIT Guwahati)</b> 'Frustrated Bronsted Pair Catalysis for Carbohydrate Chemistry and Beyond'
18:20 – 18:50	<b>Scott Snyder (University of Chicago, USA)</b> 'Strategies for the Rapid Synthesis of Molecular Complexity'

**Day 1: Monday, March 3, 2025**

18:50 – 19:20	David Sarlah (Rice University, USA) TBA
19:30 – 21:30	Conference Mixer

**Day 2: Tuesday, March 4, 2025****Astra Zeneca Session****Session III (09:00 – 11:00)****Chairpersons : Diwan Rawat & Swapnil Yerande**

09:00 – 09:30	Shu Kobayashi (University of Tokyo, Japan) 'Flow Methods for Organic Synthesis Toward a Sustainable Society'
09:30 – 10:00	Vidya Ramadas (Enveda, Hyderabad) 'Discovery of Drugs for Hepatitis C: A Race Against Time & Key Learnings'
10:00 – 10:20	Ch. Raji Reddy (CSIR-IICT, Hyderabad) 'Cascade Functionalization/Annulation of Enyne Precursors'
10:20 – 10:40	Suman De Sarkar (IISER Kolkata) 'Regulating Chemoselectivity through Controlled Electrolysis'
10:40 – 11:00	Indubhushan Deb (CSIR-IICB, Kolkata) 'Access to Functionalized N-Heterocycles via Electrochemical Synthesis and Annulation Reactions'
11:00 – 11:30	Photo Session & Tea/Coffee Break

**Cipla Session****Session IV (11:30 – 13:00)****Chairpersons : Stellios Arseniyadis & Rajib Goswami**

11:30 – 12:00	Alexander Zografos (Greece) 'Simplifying biosynthesis : how to access the natural complexity of sesquiterpenoids following easy steps'
---------------	---

**Day 2: Tuesday, March 4, 2025**

12:00 – 12:30	<b>G. Sekar (IIT Madras)</b> 'Asymmetric Domino Synthesis of Chiral Heterocyclic Compounds using Organocatalysts'
12:30 – 13:00	<b>Sunhyu Han (KAIST, South Korea)</b> 'Biosynthetically Inspired Synthesis of Complex Natural Products'
13:00 – 14:30	Lunch
14:30 – 15:30	Panel discussion on "Fostering Entrepreneurships by Chemists"
15:30 – 16:00	NOST Trustees Meeting
<b>Panacea Biotech Session</b>	
<b>Session V (16:00 – 18:00)</b> Chairpersons : Ramakrishna Peddiniti & S. S. V. Ramasastry	
16:00 – 16:30	<b>Hirohashi Ohmiya (Kyoto University, Japan)</b> 'Radical Catalysis'
16:30 – 17:00	<b>Shoubhik Das (Baeyreuth University, Germany)</b> 'Selectivity-Driven Sustainability by Using Single Atom Photocatalysts'
17:00 – 17:20	<b>Alkananda Hajra (Viswa-Bharati University, Kolkata)</b> 'Molecular Editing of Azaheterocycles'
17:20 – 17:40	<b>Ravi P. Singh (IIT Delhi)</b> 'Atropisomerism in the Realm of Pharmaceutically Relevant Compounds'
17:40 – 18:00	<b>Shikha Gandhi (IISER Berhampur)</b> 'Palladium/Brønsted acid catalyzed propargylic C-H activation'
<b>Jubilant Life Sciences Session</b>	
<b>Session VI (18:00 – 19:20)</b> Chairpersons : T. Rajamannar & Srinivas Oruganti	
18:00 – 18:30	<b>George O'Doherty (Northeastern University, Boston, USA)</b> 'De Novo Asymmetric Synthesis for Natural Product S-SAR'

**Day 2: Tuesday, March 4, 2025**

18:30 – 19:00	<b>M. Manoharan (Alnylam Pharmaceuticals, USA)</b> 'Biomimetic Chemistry of RNA Therapeutics'
19:00 – 19:20	<b>Basker Sunderraju (IIT Kanpur)</b> 'Evolution of Co(III)-Catalysis in Asymmetric C-H Bond Functionalizations'
19:30 – 21:30	Dinner

**Day 3: Wednesday, March 5, 2025**

<b>06:00 - 09:00 Visit to Taj Mahal</b>	
<b>Syngenta Session</b>	
<b>Session VII (11:00 – 13:00)</b> <b>Chairpersons : N. Selvakumar &amp; Vishal Rai</b>	
11:00 – 11:30	<b>Suvarn Kulkarni (IIT Bombay)</b> 'Total Synthesis of Zwitterionic Polysaccharide Repeating Units'
11:30 – 12:00	<b>Uttam Tambar (UT Southwestern, USA)</b> 'Stereoselective Reactions with Feedstock Chemicals'
12:00 – 12:20	<b>Prasanta Ghorai (IISER Bhopal)</b> 'Bifunctional Organocatalytic Michael Additions as the Key Strategy : Enantioselective Synthesis of Fused and Spirocyclic Organic Molecules'
12:20 – 12:40	<b>Ramakrishna G. Bhat (IISER Pune)</b> 'Versatile Reactivity of Diazo Carbonyl Compounds Towards Metal Catalysts and Visible Light'
12:40 – 13:00	<b>P. Rajamalli (IISc, Bangalore)</b> 'A Rigid Xanthene-Anthracene based Scaffold Exhibiting Ultra Deep-Blue Emission with $CIE_y$ of 0.06: Multifunctional Material as Emitter and Host for blue OLEDs'
13:00 – 16:00	Lunch Break/Free Time for Interactions

**Day 3: Wednesday, March 5, 2025****BASF Session****Session VIII (16:00 – 18:00)****Chairpersons : Harish Shinde & Akhila Kumar Sahoo**

16:00 – 16:30	<b>Santanu Mukherjee (IISc, Bangalore)</b> 'Symmetry Breaking Routes to Natural and Unnatural Ladderanes'
16:30 – 17:00	<b>Anastasios Polyzos (University of Melbourne, Australia)</b> 'New Strategies in Catalytic Radical Carbonylation of Organohalides'
17:00 – 17:20	<b>Srinivasarao Y (University of Hyderabad)</b> 'Propargyl-Claisen Rearrangement: Beyond Allenes'
17:20 – 17:40	<b>Kalyaneswar Mandal (TIFR, Hyderabad)</b> 'Exploring Reciprocal Chiral Specificity to Inhibit Red Blood Cell Invasion by Malaria Parasites'
17:40 – 18:00	<b>Benudhar Punji (CSIR-NCL Pune)</b> 'C-H Alkylation of Heteroarenes Using Unactivated Alkyl Halides Enabled by Iron and Nickel Catalysts'
<b>ICOS Session (Flash Presentation)</b> <b>Chairpersons : Dattatreya Dethe &amp; Santosh Gharpure</b>	
18:10 – 19:30	<ol style="list-style-type: none"><li>1. Kiran Kumar (IISER, Tirupati)</li><li>2. Alagiri Kaliyamoorthy (IISER, TVM)</li><li>3. Amit Simlandy (IISER Berhampur)</li><li>4. Rajeshwar Rao (IIT Dharwad)</li><li>5. Mintu Porel (IIT Palakkad)</li><li>6. Amrita Hazra (IISER Pune)</li><li>7. J. Nithyanandan (CSIR-NCL-Pune)</li><li>8. D. Sharada (Pondicherry University)</li></ol>
19:30 – 21:30	<b>Banquet Dinner</b>

**Day 4: Thursday, March 6, 2025**

<b>Sun Pharma Session</b>	
<b>Session IX (09:00 – 11:30)</b>	
<b>Chairpersons : Sivapriya K. &amp; T. Punniyamurthy</b>	
09:00 – 09:30	<b>Alakesh Bisai (IISER Kolkata)</b> 'Total Synthesis of Complex Natural Products of Biological Relevance'
09:30 – 10:00	<b>Rene Koenigs (RWTH Aachen, Germany)</b> 'Spin states matter - fundamentals, applications and translation to drug discovery'
10:00 – 10:30	<b>T. Govindaraju (JNCASR, Bengaluru)</b> 'Multifaceted Approaches to Mitigating Alzheimer's Disease'
10:30 – 10:50	<b>Indresh Kumar (BITS Pilani)</b> 'Asymmetric Synthesis of Bridged Nitrogen Heterocycles by Exploring the Potential of 3-Oxindolium Ion Intermediate'
10:50 – 11:10	<b>Chandrakumar Appayee (IIT Gandhinagar)</b> 'Development of chiral secondary amine organocatalysts and their applications'
11:10 – 11:30	<b>Concluding Remarks</b>
11:30 – 12:00	<b>High Tea</b>
12:00	<b>Departure</b>

**Contact us for any assistance**

**Event :**

**Pranay : +91 98716 31273**

✉ pranay@delve-serwiz.com

**Transportation Agra :**

**Akash : + 91 84391 71165**

✉ info@delve-serwiz.com

**Hotel :**

**Mayank :+ 91 95608 18219**

✉ mayank@delve-serwiz.com

**Transportation Delhi :**

**Veerendra : + 91 98737 80954**

✉ veerendra@delve-serwiz.com

## Sponsors

