

XXI NOST-Organic Chemistry Conference
Venue: The Leela Palace Hotel, Chennai
(November 25–28, 2021)

November 25, 2021 (Thursday)

(3:45 – 4:00 PM)	<p>Welcome Remarks by Co-Chair, NOST Council Sandeep Verma (IIT Kanpur) & Srivari Chandrasekhar (CSIR-IICT Hyderabad)</p> <p>Introduction to NOST Ganesh P. Pandey, Chairman, NOST Trust</p>
PANACEA BIOTEC SESSION	
SESSION 1 (4:00 - 5:40 PM)	Chairperson: Ganesh P. Pandey (BHU, Varanasi)
4:00 – 4:30 PM	Jyotirmayee Dash (IACS, Kolkata) <i>Template Directed Synthetic Strategies Using Nucleic Acids</i>
4:30 – 5:00 PM	P. Srihari (CSIR-IICT, Hyderabad) <i>Opportunities in Continuous Flow Process: Synthesis of APIs Celecoxib, Sildenafil and Daclatasvir</i>
5:00 – 5:20 PM	M. Jeganmohan (IIT Madras) <i>Synthesis of Aristolactam and Benzophenanthridine Alkaloids via Metal-Catalyzed Cyclization Reaction through C-H Activation</i>
5:20 – 5:40 PM	Anand Singh (IIT Kanpur) <i>Visible Light Mediated Functionalization of π-Systems</i>
5:40 – 6:15 PM	TEA / COFFEE BREAK
SYNGENTA BIOSCIENCES SESSION	
SESSION 2 (6:15 – 7:15 PM)	Chairperson: T. Punniyamurthy (IIT Guwahati)
6:15 – 7:15 PM	FLASH Presentations (Q&A over mixer) Dimpy Kalia (IISER Bhopal) Pavan K. Kancharla (IIT Guwahati) Vaishali S. Shinde (Savitribai Phule Pune University) Jubi John (CSIR-NIIST, Trivendrum) Koena Ghosh (Presidency University, Kolkata) Indresh Kumar (BITS Pilani)
7:30 PM	MIXER & DINNER

November 26, 2021 (Friday)

SUN PHARMA SESSION	
SESSION 3 (9:30 – 11:10 AM)	Chairperson: Vinod K. Singh (IIT Kanpur)
9:30 – 10:00 AM	T. Rajamannar (Sun Pharmaceutical Industries Ltd.) <i>Discovery of A Novel Long-Acting GLP-1 Agonist (GL0034) Demonstrates Remarkable Efficacy in a db/db Mouse Model of Type 2 Diabetes</i>
10:00 – 10:30 AM	Akkattu T. Biju (IISc Bangalore) <i>Uncovering the Similarities of α,β-Unsaturated Iminiums and Acylazoliums in Organocatalysis</i>
10:30 – 10:50 AM	Jaideep Saha (CBMR, Lucknow) <i>Expanding the Synthetic landscape of Piancatelli and Related Transformations</i>
10:50 – 11:10 AM	Y. Srinivasa Rao (University of Hyderabad) <i>Harnessing Ambiphilic Reactivity of C-Acylimines to ease the Synthesis of Value-added Heterocycles</i>
11:10 – 11:40 AM	TEA / COFFEE BREAK
AVRA-IICT SESSION	
SESSION 4 11:40AM – 12:50PM	Chairperson: G. Sekar (IIT Madras)
11:40AM – 12:10PM	Dibyendu Das (IISER Kolkata) <i>Substrate Induced Catalyst Formation Under Non-Equilibrium Conditions</i>
12:10 – 12:30 PM	Modhu Sudan Maji (IIT Kharagpur) <i>Invention of New Reaction Methods for the Synthesis of Indole and Carbazole Based Alkaloids</i>
12:30 – 12:50 PM	Chidambaram Gunanathan (NISER Bhubaneswar) <i>Green Catalysis Enabled by Metal-Ligand Cooperation</i>
1:00 – 2:30 PM	LUNCH
CIPLA SESSION	
SESSION 5 (2:30 - 3:40 PM)	Chairperson: Akhila K. Sahoo (University of Hyderabad)
2:30 – 3:00 PM	Harinath Chakrapani (IISER Pune) <i>Artificial Substrates for Enzymes as a Therapeutic Paradigm</i>
3:00 – 3:20 PM	Ravindar Kontham (CSIR-NCL, Pune) A chiron approach to the total synthesis of Beshanzuene D & its epimers and Abiespiroside A
3:20 – 3:40 PM	Nidhi Gour (Indrashil University, Gujarat) <i>Molecular Self-Assembly and its Implications</i>
3:40 – 5:30 PM	TEA / COFFEE BREAK & Free Time

TRUSTEES SESSION	
SESSION 6 (5:30 – 7:00 PM)	‘The Spirit of NOST: Retrospective and Prospective Reflections’ <i>Coordinator: Krishna P. Kaliappan (IIT Bombay)</i>
7.30 PM	DINNER

November 27, 2021 (Saturday)

ASTRA ZENECA SESSION	
SESSION 7 (9:30 – 11:00 AM)	Chairperson: S. Sankararaman (IIT Madras)
9:30 – 10:00 AM	Subi Jacob George (JNCASR Bangalore) <i>Bio-inspired, Reaction-Coupled Supramolecular Polymers</i>
10:00 – 10:20 AM	E. Balaraman (IISER Tirupati) <i>Ru-Catalysed Expedient Hydrogenation/Deuteration Reactions Generality</i>
10:20 – 10:40 AM	Amit Kumar (IIT Patna) <i>Glycosylation and Glycodiversification: An Important aspect of Carbohydrate Chemistry</i>
10:40 – 11:00 AM	Ritu Gupta (IIT Jodhpur) <i>Fluorinated Nanomaterials for Energy and Healthcare Applications</i>
11:00 – 11:30 AM	TEA / COFFEE BREAK
PI INDUSTRIES SESSION	
SESSION 8 (11:30 AM – 12:50 PM)	Chairperson: Maya Shankar Singh (BHU, Varanasi)
11:30 AM – 12:00 noon	Sanjay Batra (CSIR-CDRI, Lucknow) <i>Novel Synthesis of Pyrazolines, Pyrazoles and Azole-fused Quinolines</i>
12:00 – 12:30 PM	Santosh J. Gharpure (IIT Bombay) <i>Vinylogous Functional Groups in the Synthesis of Oxa- and Aza-cycles</i>
12:30 – 12:50 PM	Dhiraj Bhatia (IIT Gandhinagar) <i>Ligand Geometry Dictates the Cellular and In-vivo Uptake of DNA Nanodevices</i>
01:00 – 2:30 PM	LUNCH

JUBILANT LIFE SCIENCES & BASF SESSION	
SESSION 9 (2:30 – 4:00 PM)	Chairperson: J. S. Yadav (Indrashil University)
2:30 – 3:00 PM	Manmohan Kapur (IISER Bhopal) <i>C-H Alkylation via Carbene Migratory Insertion</i>
3:00 – 3:20 PM	Vinod K. Tiwari (BHU, Varanasi) <i>Benzotriazole Ring Cleavage (BtRC) Methodology: Our approach</i>
3:20 – 3:40 PM	G. Satyanarayana (IIT Hyderabad) <i>Directing Group Assisted Remote meta-Selective C–H Functionalization</i>
3:40 – 4:00 PM	S. Arulananda Babu (IISER Mohali) <i>Diastereoselective Palladium-Catalyzed C-H Activation</i>
4:00 – 4:30 PM	TEA / COFFEE BREAK
DST-SERB SESSION	
SESSION 10 (4:30 – 6:00 PM)	COVID-19 Pandemic: Impact on Research and Researchers <i>Coordinator: Srivari Chandrasekhar</i> (CSIR-IICT, Hyderabad)
6:00 – 6:30 PM	Concluding Remarks and Closure of XXI NOST-OCC
7:00 PM	BANQUET DINNER

November 28, 2021 (Sunday)

Departures after breakfast (by 12 noon)