



Organised by the Department of Chemistry, SAS, VIT Vellore

SPONSORS



PROGRAMME SCHEDULE

PROGRAMME AT A GLANCE

Tuesday, 25 th November Ambedkar Auditorium	Wednesday, 26 th November Session IV TT Gallery II	Thursday, 27 th November Session VIII TT Gallery II
8:00-10:00 Registration Ambedkar Auditorium registration desk	Chair: Akella Sivaramakrishna	Chair: Shivashankar M
10:00-10:45 Opening ceremony and inauguration Georgia Pastorin Chief Guest National University of Singapore, Singapore Vito Ferro Guest of Honour University of Queensland, Australia	PL2: 9:30-10:15 Arindam Mukherjee IISER Kolkata Designing Smarter Metal Complexes: Overcoming Cellular Sequestration and Hypoxia Limitations in Cancer Therapeutics	KL9: 9:30-10:00 Chithirai Pon Selvan (Online) Curtin University, Australia, Dubai Campus
		IL8: 10:00-10:20 Mukul Pradhan NIT Warangal Sustainable Transformation of Waste to Wealth for Energy Application
	KL4: 10:15-10:45 Sayan Bhattacharyya IISER Kolkata Contrasting Structures in the Art of Electrocatalyst Design	IL9: 10:20-10:40 Jagannathan Madhavan Thiruvalluvar University Bismuth-based Semiconductor Photocatalysts for Wastewater Remediation
10:45-11:10 Photo Session, Tree plantation		IEL3: 10:40-11:00 Parijat Kundu Diagnostics Department Velsera, Pune Bridging the Genomic Data Tsunami: From Scientific Discovery to Clinical Action in Personalized Medicine
Coffee Break 10:45-11:10		
Session I TT Gallery II	Session V TT Gallery II	Session IX TT Gallery II
Chair: Rajagopal D	Chair: Priyanka Paira	Chair: Sumathi S
PL1: 11:10-11:55 Georgia Pastorin NUS, Singapore Design Of Pt (IV) Anticancer Complexes, Screening In 3d Spheroids and Delivery To Animal Cancer Models	PL3: 11:10-11:55 Vito Ferro The University of Queensland, Australia Chemical Tools for Mucopolysaccharidosis Therapeutic Development	IL10: 11:15-11:35 Kaushik Pal IIT Tirupati Role of minuscule force in immune cell- pathogen interactions
KL1: 11:55-12:25 Debayan Sarkar IIT Indore Rise of Tribromide Tools – Precision Dearomatisation for 3D Molecular Frameworks	KL5: 11:55-12:25 Uttam Manna IIT Guwahati Bio-inspired Wettability to Derive Functional Interface	SIL5: 11:35-11:50 Debasish Mandal Thapar Institute of Technology, Patiala AI/ML-Guided Design of Novel Inhibitors Targeting FGFR Tyrosine Kinase and KDM4C for Cancer Therapy
		SIL6: 11:50-12:05 Chandan Maity VIT Vellore Engineering Soft Materials via Controlled Catalysis for Smart Health and Sustainability Solutions
		SIL7: 12:05-12:20 Atanu Chakraborty VIT Vellore Chemical Design Principles for Gene Therapeutic Nanoparticles: Enabling Immune Cell and Extrahepatic Delivery of Nucleic Acid
IL1: 12:25-12:45 Pankaj Kumar Koli IISER Tirupati Nitrate/Nitrite Reduction to Nitric Oxide: A Biomimetic Modelling and Mechanistic Investigation	IL5: 12:25-12:45 Tamas Kumar Panda VIT Vellore Mechanochemistry: An Opportunity to do Disorder Engineering in Metal- Organic Frameworks	SIL8: 12:20-12:35 Rinku Chakrabarty (Online) Alipurduar University Copper and Zinc Complexes of Quinoline-Based Flexible Amide Receptor as Fluorescent Probe for Dihydrogen Phosphate and Hydrogen Sulphate and Their Biological Application
SIL1: 12:45-13:00 Sovan Roy VIT Vellore Application of 3d-transition metal complexes of polypyridyl and Schiff base ligands as potential anticancer agents	SIL3: 12:45-13:00 S. Sabiah Pondicherry University Metal (II) Complexes Derived from NN & NS Based Donor Ligands: Synthesis, Structure, Electrochemical and Biomimetic Applications	SIL9: 12:35-12:50 Mariappan Murali National College (Autonomous) Versatile Monocopper(II) Catalysts: Design and Application in Oxidative Catalysis
		OP10:12:50-13:00 R. Princy Sowmya

PROGRAMME AT A GLANCE

Lunch Break 13:00-14:00		
Session II TT Gallery II Chair: Vijayakumar V	Session VI TT Gallery II Chair: Vijayaraghavan R	Session X TT Gallery II Chair: Madhvesh Pathak
KL2: 14:00-14:30 Srikanta Patra IIT Bhubaneswar Cyclometalated Iridium Complexes and Their Biological Aspects	KL6: 14:00-14:30 Rakesh Kumar Pathak IISER Berhampur Metal-Drug Conjugates: Rediscovering the Dual Roles of Metal Ions as Therapeutics and Delivery Vehicles in Cancer Therapy	OP11:14:00-14:10 S. Nikila Sambandan
		OP12:14:10-14:20 Harini S
		OP13:14:20-14:30 Vidhyadevi G
		OP14:14:30-14:40 Metha A M
		OP15:14:40-14:50 Renuka B S
IL2: 14:30-14:50 Nagaraju Barsu CSIR-NCL Pune Development of Sustainable Methods: from Plastic to Fine Chemicals	IL6: 14:30-14:50 Mrinmoy De IISc, Bangalore Selective Antibacterial Activity of Functionalized Nano-antibiotics	OP16:14:50-15:00 Subhashree Praharaj
IL3: 14:50-15:10 Somnath Maji IIT Hyderabad Bio-inspired Transition Metal Complexes for Solar Fuel Generation	IL7: 14:50-15:10 Krishna Pada Bhabak IIT Guwahati Stimuli-responsive Turn-on Fluorogenic Prodrugs of Anticancer Drugs	OP17:15:00-15:10 Rishav Das
IL4: 15:10-15:30 Sunandan Sarkar NIT Tiruchirappalli Twist, Transfer, and Triplets: Tailoring Molecular Luminescence through Quantum-Chemical Approaches	IEL2: 15:10-15:30 R Sankara Subramanian Vishwa-Syntharo PharmaChem Pvt Ltd, TN, India Design of Chemical Processes - Efficiency, Safety & Environment	OP18:15:10-15:20 Somasundaram Sangeetha
		OP19:15:20-15:30 Pravinkumar Selvam
		OP20:15:30-15:40 Pratheeksha
Coffee Break 15:30-15:45		
Session III TT Gallery II Chair: Karpagam S	Session VII TT Gallery II Chair: Mary Saral A	TT Gallery II
KL3: 15:45-16:15 Arindam Talukdar IICB Kolkata Target-Based Screening, Identification and Optimization of Entry Inhibitors Targeting SARS-CoV-2 Spike-ACE2 Interaction	KL7: 15:45-16:15 Ekambaram Balaraman IISER Tirupati Sustainable Chemical Production via Catalytic Dehydrogenation	16:30-17:30 Valedictory Function Kaushik Pal Chief Guest IIT Tirupati, India
IEL1: 16:15-16:35 Atreyee Banerjee (Online) Freudenberg Technology and Innovation (FTI), Germany Data-Driven Approaches for Simplifying and Interpreting Molecular Simulation Data	KL8: 16:15-16:45 Gouriprasanna Roy IIT Tirupati Biomimetic Studies on Metal Detoxification	17:30-18:30 TT Gallery II Collection of Participation Certificates
SIL2: 16:35-16:50 Tamalika Ash (Online) Iowa State University, Iowa, USA Ab Initio Investigations of Zwitterionic Polymers and Their Interactions with Water and Ice	SIL4: 16:45 -17:00 Munmun Ghosh Ashoka University Proton Reduction by Iron Complexes: Impact of Proton Residue Concentration at Catalyst Sites	
17:00-18:00 Foodys Poster Presentation (PP1-PP35)	17:00-18:00 Foodys Poster Presentation (PP36-PP65)	
Campus Visit	OP1:17:00-17:10 Nikita Das OP2:17:10-17:20 Selvakumaran Balasubramaniam OP3:17:20-17:30 Meena R OP4:17:30-17:40 Risav Banerjee (Online) OP5:17:40-17:50 Elavarasi Mogsansundar OP6:17:50-18:00 Trisha Bhattacharya OP7:18:00-18:10 Ram Pravin Kumar Muthuramalingam OP8:18:10-18:20 Lydia Ann Vinod OP9:18:20-18:30 Nivedya T	
		Plenary Lecture (PL)- (40+5) minutes
		Keynote Lecture (KL)- (25+5) minutes
		Invited Lecture (IL)- (17+3) minutes
		Industrial Expert Lecture (IEL)- (17+3) minutes
		Short Invited Lecture (SIL)- (12+3) minutes
19:30 Onwards Foodys Conclave Dinner		Oral Presentation- (8+2) minutes

General instructions IC-HEIAC 25

All the lectures will be held at TT VOC Gallery (2nd Floor).

Plenary Lecture (PL)- 45 minutes

Keynote Lecture (KL)- 30 minutes

Invited Lecture (IL)- 20 minutes

Industrial Expert Lecture (IEL)- 20 minutes

Short Invited Lecture (SIL)- 15 minutes

The Organizers request all the speakers to upload their lectures on the laptop provided by the organizers at the venue, during the breaks (lunch/tea) preceding their respective sessions.

Laser pointers and Slide changers will be provided during the lectures.

TT 2nd FLOOR PLAN

