International Conference on Organic and Inorganic Materials for Energy and Sustainability (ICMES-2026)

10-12 Sep 2026, Department of Chemistry, School of Advanced Sciences,
Vellore Institute of Technology, Vellore, India
https://vit.ac.in/conference/ICMES-2026/

Day 1: 10th Sep 2026 (Thursday)	
7:30 AM-onwards	**Registration: Venue: Dr. Ambedkar Auditorium (Technology Tower - Ground Floor)**
10:00-11:00 AM	**Session 1: Inauguration – Venue: Dr. Ambedkar Auditorium (Technology Tower - Ground Floor)**
11.00-11:15 AM	**Tea Break (Amphitheatre - Technology Tower - Ground Floor) Photo session TT Portico**
11.20-12:05 PM	**Session 2: Dr. Ambedkar Auditorium (TT - Ground Floor) (Chair: Prof. D. Rajan Babu; Co-Chair: Prof. Shivashankar M)** Plenary Lecture | **PL1 Dr. R. Vijay, ARCI, Hyderabad.** *Advanced Materials and Technologies for Sustainable Energy and a Self-Reliant India*
12.06-12:40 PM	Keynote Lecture | **KL1 Dr. Rowan Young, University of Queensland, Australia** *Developing Chemistry for a Closed Fluorine Economy*
12:41-12:50 PM	Sponsor's talk | **ST1 Jeol India**
1.00-2.00 PM	**Lunch - Venue: Foodys**
2:00-2:45 PM	**Session 3: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Prof. R. Vijayaraghavan; Co-Chair: Prof. S. L. Manju)** Plenary Lecture | **PL2 Prof. Jörg Schneider, Technische Universität Darmstadt, Germany** *Inorganic Functional Materials for Sensing, Catalysis and Electronics*
2:46-3:10 PM	Invited Lecture | **IL1 Prof. Sivasankar C., Pondicherry University** *Transition-Metal-Complex-Catalyzed Carbene Chemistry for Organic Synthesis: Experimental and DFT Studies*
3:11-3:35 PM	Invited Lecture | **IL-2 Prof. C. Gunanathan, NISER Bhubaneswar** *Cobalt Catalysis Enabled by Metal-Ligand Cooperation*
3:36-3:50 PM	**Tea Break – Gallery 1 (Shakespeare Gallery) - TT Ground Floor**
3:51-4:15 PM	**Session 4: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Dr. A. Amsavel ; Co-Chair: Prof. Suseem S R)** Invited Lecture | **IL3 Prof. Sanjay Kumar Singh, IIT Indore** *Aqueous-phase Hydrogenation-Dehydrogenation of CO_2-Formate Couple over Ruthenium Catalysts*
4:16-4:40 PM	Invited Lecture | **IL4 Dr. Mahender Khatravath, Central University of South Bihar** *Alkyne-Assisted Cascade Cyclizations/cycloadditions for the Synthesis of Biologically Relevant Nitrogen- and Oxygen-containing Heterocycles*
4:41-5:00 PM	Short Invited Lecture | **SIL1 Dr. Kamini Mishra, VIT Vellore** *From Monolayer to Multilayer: Electrostatic Control of Protein Adsorption on Gold Nanoparticles*
5:10 -7:30 PM	**Poster Session - Foodys**
7:30-9:30 PM	**Dinner – Foodys**
Day 2: 11th Sep 2026 (Friday)	
9:30-10:15 AM	**Session 5: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Prof. Amitava Mukherjee; Co-Chair: Prof. S. Sumathi)** Plenary Lecture | **PL3 Dr. Zakaria Halime, CNRS Research Director, France** *Bio-inspired Design for Catalytic CO_2 Reduction*
10:16-10:40 AM	Invited Lecture | **IL5 Prof. Debabrata Maiti, IIT Bombay** *Unlocking New Chemical Space via Selective Catalysis*
10:41-11:05 AM	Invited Lecture | **IL6 Dr. Srinivasan Anandan, ARCI, Hyderabad** *Indigenous Electrode Materials for Li- and Na-Ion Batteries: Advancing from Fundamental Science to Technology Translation*
11:06-11:20 AM	**Tea Break - Gallery 1 (Shakespeare Gallery) - TT Ground Floor**
11:21-11:45 AM	**Session 6: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Prof. D. Rajagopal; Co-Chair: Prof. S. Kannadasan)** Invited Lecture | **IL7 Dr. Rositha Kuniyil, IIT Palakkad** *Transition State Model for the Manganese Based Chemical Hydrogen Battery*
11:46-12:10 PM	Invited Lecture | **IL8 Prof. Akkattu T. Biju, IISc, Bengaluru** *N-Heterocyclic Carbene-Catalyzed Synthesis of C-N, C-O and N-N Axially Chiral Molecules*
12:11-12:30 PM	Short Invited Lecture | **SIL2 Dr. Sathish Kumar P, VIT Vellore** *Sonophotocatalysis – A Powerful Tool for the Destruction of Environmental Contaminants*
12:31-12:40 PM	Sponsor's talk | **ST2 Merck India**
1.00-2.00 PM	**Lunch - Venue: Foodys**
2:00-2:45 PM	**Session 7: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Prof. A Sheela; Co-Chair Dr. Palanisami N)** Plenary Lecture | **PL4 Prof. Balaji R. Jagirdar, IISc, Bengaluru** *Digestive Ripening Facilitated Nanoengineering of Diverse Nanostructured Materials*
2:46-3:05 PM	Short Invited Lecture | **SIL3 Prof. Saikat Dutta, Amity University, Noida** *Atomic Interface in Electrodes of Na-Ion Batteries and Electrochemical Mimicking of Enzymes*
3:06-3:25 PM	Short Invited Lecture | **SIL4 Prof. Suresh Babu K., Central Tribal University of AP, Vizianagaram** *Advanced Materials for Hydrogen Sensing under Oxygen-Deprived Conditions*
3:26-3:45 PM	Short Invited Lecture | **SIL5 Dr. Ramaraj A, IISER-TVM** *Tunable α-aminophosphine-Ligated cationic Ru-Cymene Complexes for the Hydration of PhCN*
3:46-4:00 PM	**Tea Break – Gallery 1 (Shakespeare Gallery) - TT Ground Floor**
4:01-4:20 PM	**Session 8: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Prof. G. Buvaneswari; Co-Chair: Prof. Sarveswari S)** Short Invited Lecture | **SIL6 Prof. Akshai Kumar A. S., IIT Guwahati** *Pincer-Metal Complexes in Thermo-Catalysis & Electro-Catalysis for Generation of Hydrogen, Fuel and Specialty Chemicals*
4:21-4:40 PM	Short Invited Lecture | **SIL-7 Dr. Amit A. Vernekar, CSIR-CLRI, Chennai** *Beyond Small-Molecule Substrates: Expanding the Catalytic Horizons of Nanozymes for Transforming Biomaterials*
4:41-4:48 PM	Oral Presentation | **OP1 Dr. Jyotsna Chaturvedi, IISc, Bengaluru** *Optoelectronics and Electron-Beam-Induced Phase Transformation Studies on CdS-Ag_2S Alloys/Superlattices*

4:49-4:56 PM	Oral Presentation | **OP2 Dr. Kamla Devi Netam, IIT Guwahati** *Upgradation of Ethanol to n-Butanol Catalysed by Pincer-Iridium Complex*
4:57-5:06 PM	Sponsor's Talk | **ST3 TCI Chemicals India**
5:15-7:00 PM	**Oral Presentation and Flash Talks (Parallel Sessions)** **Session 9a: OP3-OP11** [Shakespeare Gallery (Gallery-I, TT Ground Floor)] **(Chair: Prof. Sanjay Kumar Singh; Co-Chair: Prof. Satish Kumar G)**
	Session 9b: FT1-FT11 [VOC Gallery (Gallery-II, TT Second Floor)] **(Chair: Prof. J. Nithyanandhan; Co-Chair: Prof. Sovan Roy)**
	Session 9c: FT12-FT22 (TT513, TT Fifth Floor) **(Chair: Prof. Akshai Kumar A. S.; Co-Chair: Prof. Loganathan R)**
7:15-8:00 PM	**Cultural Program - Greenos**
8:01-9:30 PM	**Dinner – Foodys**
Day 3: 12th Sep 2026 (Saturday)	
9:30-10:15 AM	**Session 10: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Prof. A Nirmala Grace; Co-Chair: Prof. Barnali Maiti)** Plenary Lecture | **PL5 Prof. Hiroshi Kitagawa, Kyoto University, Japan** *Modern Alchemy: Binary to High-Entropy Nano-alloys and Oxides*
10:16-10:40 AM	Invited Lecture | **IL9 Prof. N. Lakshminarasimhan, CSIR-CECRI, Karaikudi** *Interface and Interphase in Functional Materials*
10:41-11:05 AM	Invited Lecture | **IL10 Prof. Devarajulu Sureshkumar, IISER Kolkata** *Reaching Remote C(sp^3)–H Bonds with Visible Light*
11:06-11:20 AM	**Tea Break – Gallery 1 (Shakespeare Gallery) - TT Ground Floor**
11:21-11:45 AM	**Session 11: Gallery 1 (Shakespeare Gallery) - TT Ground Floor (Chair: Prof. Mary Saral A; Co-Chair: Prof. Priyankar Paira)** Invited Lecture | **IL11 Prof. S. Sivakumar, Madurai Kamaraj University, Madurai** *π-Conjugated Self-Assembled Systems for SDS Detection*
11:46-12:10 PM	Invited Lecture | **IL12 Prof. J. Nithyanandhan, CSIR-NCL, Pune** *Excitonically Coupled Squaraine Dyes for Photocurrent Generation*
12:11-12:35 PM	Invited Lecture | **IL13 Prof. C. M. Nagaraja, IIT Ropar** *Strategic Design of Framework Materials for Chemical Fixation of Carbon Dioxide into Value-Added Chemicals*
12:36-12:55 PM	Short Invited Lecture | **SIL8 Dr. Susanta Kumar Bhunia, VIT Vellore** *Selective and Ultrasensitive Detection of Hypochlorite and Glutathione using Chiral and Bright Green Fluorescent MXene Quantum Dots*
12:56-2.00 PM	**Lunch - Venue: Foodys**
2:00-2:35 PM	**Session 12: Dr. Ambedkar Auditorium (Chair Prof. Akella Sivaramakrishna R; Co-Chair Prof. Ashok Kumar S. K.)** Keynote Lecture | **KL2 Dr. C. V. S. Brahmananda Rao, HBNI-IGCAR, Kalpakkam** *Application of Metal Organic Frameworks in Nuclear Industry*
2:36-3:10 PM	Keynote Lecture | **KL3 Prof. S. Nagarajan, Central University of Tamil Nadu, Thiruvarur** *Molecular Engineering of Donor–Acceptor Architectures for Multilevel Resistive Memory Device Applications*
3:20-4:00 PM	**Session 13: Valedictory – Venue: Dr. Ambedkar Auditorium**
4:00 PM	**High Tea & Departure**

Parallel Sessions			
Session 9a: Oral Presentation - Shakespeare Gallery (Gallery-I, TT Ground Floor) 5:15-7:00 PM - 11th Sep 2026 (Friday)			
1	OP3	Dr. Avijit Kumar Das	Dual-Mode Near-Infrared (NIR) Chemosensors for Sensing and 3D-printed Device Applications
2	OP4	Dr. Sowmiya Carmel	A general palladium-catalyzed novel class of Hiyama cross-coupling reaction of heteroaryl-substituted coumarinyl conjugates
3	OP5	Dr. Sainath Babaji Aher	Heteronuclear Correlation Spectroscopy Study of a Few Imidazolium Based Ionic Liquids and Their Silver Complexes
4	OP6	Dr. Amba Sankar K N	Enhanced Bifunctional Electrochemical Activity of Fe doped $NiCo_2O_4$ through Plasma Surface Treatment for toward Overall Water Splitting
5	OP7	Dr. R. Vidya	Bioactive $MnFe_2O_4$ Nanoparticles: Antimicrobial Efficacy and Wound-Healing Assessment
6	OP8	Dr. Kaleeswarran Periyannan	A Versatile Synthetic Pathway to Tunable Persistent Nanophosphors via Deep Eutectic Solvent Mediated Synthesis
7	OP9	Dr. Aurobinda Mohanty	Polydopamine-Modified ZIF-7/Pebax Mixed-Matrix Membranes with Enhanced CO_2/N_2 Separation Performance
8	OP10	Dr. Venkatesan Kaliyamoorthy	Tuning the Structural, Morphological, Surface, and Magnetic Properties of Cr^{3+} substituted $CoFe_2O_4$ ($CoFe_2$-$xCrxO_4$) magnetic nanoparticles prepared by self-propagated solution combustion synthesis (CSC) technique
9	OP11	Dr. Sakthivel Balasubramaniyan	Template-based reaction product enumeration software for rapid generation of synthetically accessible compound libraries

Session 9b: Flash Talk - VOC Gallery (Gallery-II, TT Second Floor) 5:15-7:00 PM - 11th Sep 2026 (Friday)			
1	FT1	Vikas	Pincer-Rhodium Catalyzed Conversion of Glycerol to Lactic Acid and Hydrogen
2	FT2	Hemamalini Abraham	Tuning the Spectroscopic, Solvatochromic, and NLO Properties of Diaryl Schiff Bases: Experimental and DFT/TD-DFT Insights
3	FT3	Aayushi Joshi	Sunlight Driven Photocatalytic Wastewater Treatment Using a CQD/Ag_3PO_4 Nanocomposite
4	FT4	Manikandan Sekar	Palladium-Catalyzed Iterative Cross-Coupling towards π-Bond-Enriched Phenyltriethynylethylene Frameworks
5	FT5	Naveenkumar K	Green and Atom-Economic Synthesis of Aldehydes and Quinolines via Solvent-Free Acceptorless Dehydrogenation Catalyzed by Phosphine-Free Ruthenium(II)-arene catalysts
6	FT6	T V Prathima	$H_2Ti_3O_7$ nanotubes-derived TiO_2 nanorods: Precursor engineering to tailor phase, crystallinity, and photocatalytic performance for efficient dye degradation under natural sunlight irradiation
7	FT7	Krishnarao Jayaram Desai	Blue LED-driven synthesis of benzoyl-guanidine hybrids via radical–radical cross-coupling
8	FT8	Priyanka Hegde	Facile Synthesis of Pyrano[2,3-c]pyrazole Derivatives Using a Recyclable PTA@Na-Y Zeolite Catalyst: Biological Activity and DFT Studies
9	FT9	Sudharsan	Visible-Light-Induced C-H Alkylation of Azauracil and Quinoxalinones Using Alkylboronic Acids
10	FT10	Febin Benny	Development of In Situ Grown Transition-Metal-Based Layered Double Hydroxides Integrated with Graphene Oxide for Efficient Hydrogen Production
11	FT11	Kavya C	A Modular Synthesis of Sequence-Defined Support-Free Oligopeptoids and Dendrimers for Biomedical Applications
Session 9c: Flash Talk - TT513 (TT Fifth Floor) 5:15-7:00 PM 11th Sep 2026 (Friday)			
1	FT12	Mohammed Abbas	Active-site evolution in CuMgAlOx catalyst for hydrogen production by methanol steam reforming
2	FT13	Anmol Pandey	CVD-Grown Iron-Doped Carbon Nanoforest Beads: An Efficient adsorbent for Methylene Blue, Cadmium, and Lead Removal
3	FT14	Vandana Sharma	Room Temperature, Metal-Free, CDI-Promoted, Ex-situ Protocol for S-Methyl Thioesters Synthesis
4	FT15	Perumal K	Amphiphilic Reactivity of azole-based imino-ylidene intermediate in the Divergent Synthesis of Pyrazole Scaffolds
5	FT16	Sandhya K S	Enhanced Hydrogen Evolution Reaction Performance of α-MoO_3 Heterogeneous Catalysts for Hydrogen Evolution Reaction
6	FT17	Arjun Warrier	Hierarchical porosity induced monolithic viologen-based Covalent Organic Frameworks for ultrafast removal of pollutants from water/ Pollution remediation
7	FT18	Damini Vikas Jagankar	Greener & Faster: Recyclable Alginate Hydrogel-Supported Ag Nanoparticles for Rapid Nitroarene Reduction
8	FT19	Avinash Kumar	Lewis-Acid Catalyzed Regioselective Annulation Synthesis of Trisubstituted Alkenes Bearing a Quaternary Carbon Cyclic Fused Quinoxaline
9	FT20	Sowmiya R	Development of biopolymer-based Ocular Films for Prolonged Neuro-related chronic Dry eye disease Delivery
10	FT21	Sanjay Kumar Sharma	Sustainable Analytical Development Approach: RP-HPLC Method for Simultaneous Quantification of Substituted Isomers of 4-Nitrophenylethylamine and Related Impurities
11	FT22	Jenifer Jasmine Mary P	Structure–Bioactivity Relationships in Chloro-Substituted Phenylhydrazones: CDFT, In Silico, and Antibacterial Studies
Poster Session (Foodys) 5:10 to 7:30 PM - 10th Sep 2026 (Thursday)			
1	PP01	Bhoomish S	Sustainable Bio-Derived Dynamic Hydrogels from Polyvinyl Alcohol and Carboxymethyl Cellulose for Air Pollutant Capture and Environmental Remediation
2	PP02	Dhandapani M	Comparative Performance and Sustainability Assessment of Chemical and Algal Biocatholytes in Microbial Desalination Cells under Continuous Operation with Integrated Biomass Valorization for a Zero-Waste Management
3	PP03	Eashwatha R	Eco friendly removal of Rhodium B from waste water using green synthesised MgO nanoparticles from Azadirachta indica
4	PP04	Kariyannagari Lakshmi	Engineered Chitosan-Polyurethane Composite Foams as Versatile Absorbents for Toxic Heavy Metals
5	PP05	L A Swagatika Priyadarshini	Evaluation of cellulolytic enzyme production by Aspergillus niger under solid state fermentation using agricultural waste
6	PP06	Lokesh R	Analytical technique for the development and validation of a sensitive reverse phase hplc method for determination of hydrazine in an active pharmaceutical ingredients
7	PP07	Malavika Jayan	Molecular Level Insights into the Stability of Unnatural Base Pairs in DNA Duplex: A Computational Approach

8	PP08	R G Sibiya Stacey	Accelaerated Cr(VI) Remediation Using Layered Zinc Acetate
9	PP09	Suphal Sen	Functionalized ammonia-borane mediated synergistic metal-free strategy for the Water-Gas shift reaction: A systematic DFT study
10	PP10	Suryoday Prodhan	Optimal Bandwidth in Semiconducting Polymer Chains
11	PP11	Vigneshwaran S	Development of a stability indicating headspace gas chromatographic method for determination of carcinogenic benzene in multiple active pharmaceutical ingredients with comprehensive ruggedness assessment using analytical quality by design
12	PP12	Ajesh Vijayan	Design, Synthesis, Molecular Docking, and In vitro Antiproliferative Evaluation of Quinoline-Pyranocoumarin Hybrids as Potent DNA Topoisomerase II Inhibitors
13	PP13	Anilkumar Kommoju	One-pot synthesis of α-(OCH_2CF_3)-substituted pyridines using TFE as both a solvent and a reagent
14	PP14	Anurag V Pujari	Visible-Light-Induced Thiocyanation of Aryl Halide Using a Recyclable Fe(II)-Porphyrin Heterogeneous Photocatalyst
15	PP15	Ashutosh Dey	Cobalt-catalyzed Pauson–Khand synthesis of π-extended tetrahydrocyclopentaquinolinones: photophysical properties and DFT analysis
16	PP16	Dashrath Shriwas	Microbial production of polyhydroxyalkanoates using Bacillus sp.: A sustainable approach toward bioplastic production
17	PP17	Dineshkumar Arumugasamy	"When One Molecule Does It All: A Multi-Functional Fluorescent Probe with ESIPT, ICT, AIEE, and CHEF Mechanisms for Selective Mg^{2+} Sensing
18	PP18	Divya Lalbhadur Chauhan	Organocatalysis ON Demand: Light-Switchable Supramolecular Assemblies for Enzyme-Mimetic Aqueous Catalysis
19	PP19	Gayathri Y	Design and Synthesis of Metal-free Organic Photosensitizer Molecules for Dye-Sensitized Solar Cells
20	PP20	Gollangi Madhusudana Rao	Synthesis and Late-Stage C–H Functionalization of Papaverines
21	PP21	Hariprasath T K	Ruthenium-catalysed site-selective C-H amidation of 2-arylbenzoxazinone using dioxazolone: DFT studies and fluorescence chemosensors for pesticide detection
22	PP22	Jagathiswaran S	Ru(II)-Catalysed Cross-Dehydrogenative Coupling of C-Acyl Imidazole with Thiophenes
23	PP23	Kaartik Kalpesh Chandan	Porphyrin-Based Catalysts for Sustainable Visible-Light-Assisted Knoevenagel Condensation
24	PP24	Kanmani V	Synthesis of Fused Heterocycles via [3+2] Cycloaddition of Alkylidene Flavanones with Azomethine Ylides
25	PP25	Karthick Raja P	Harnessing Allyl Alcohols as Vinylating Reagent: A Ru(II)-Catalysed Strategy for Ortho-Selective C–H Vinylation of bicyclic azaamide
26	PP26	Krishna Murthy S M	Synthesis, crystal structure, quantum computational analysis and in-silico evaluation of 5-bromo-N′-(1-(2-oxo-2H-chromen-3-yl)ethyl)furan-2-carbohydrazide
27	PP27	Lambodar Khadanga	Visible-Light Promoted Synthesis of Dihydroquinoline Catalysed by Heterogeneous Nitrogen-Doped Bismuth Tungstate
28	PP28	Maithili G	Development of Mucilage /Poly (Ethylene Glycol) Composite Patches Containing Glycine Max Protein: Physiochemical Characterization and Biological Evaluation
29	PP29	Megha Kumari	Efficient Synthesis of Quinoxaline Derivatives via PIDA-Promoted Oxidative Annulation
30	PP30	Paranimuthu P	Sustainable Synthesis of Fused Chromenoquinolines: A Route to Emerging Functional Materials
31	PP31	Peroli U	Catalyst-Assisted Green Synthesis of Novel Azo-Fused Tetrahydro-1H-Xanthenyl-5,5-Dimethylcyclohexane-1,3-Dione Derivatives: Integrating Antimicrobial Evaluation and Computational Insights
32	PP32	R Manikandan	Ru(II)-catalyzed cascade regioselective C-7 and C-8 diamidation of isoquinolinones using dioxazolones
33	PP33	S P Vijayan	Design and synthesis of thio-ketonate (OS) boron complex and its photophysical studies.
34	PP34	S Devi Lakshmi	From Solution to Purification: In-Situ Formation of rGO/POM–Alginate Hydrogels for Photocatalytic Amoxicillin Removal
35	PP35	Sabariraja J	Photochemical in situ Generation of Nitrenes and Carbenes for Polarity-Mismatched C–N bond Cross-Coupling
36	PP36	Satishkumar G	Ruthenium-supported ionic liquid-based periodic mesoporous organosilica catalyst for sp3 C-H bond alkylation of 9H-fluorene with primary alcohols
37	PP37	Saurabh Bhausaheb Avachar	Synthesis and Late-Stage C–H Functionalization of Papaverines
38	PP38	Shanthi M	Visible-Light Heterogeneous Photocatalysis for the Redox Neutral Tandem Process to Synthesize Pyrazolo-Fused Heterocycles
39	PP39	Shubham Mazumdar	Chalcone-Derived Aza-Flavones: Synthesis, Structural Characterization and In Silico ADME Profiling
40	PP40	Steffy Mariyam Varghese	Harnessing UV Light to Create Oxygen Vacancy-Enriched Black BiOCl for Enhanced Visible-Light Photocatalytic Degradation of Rhodamine-B.
41	PP41	Sumaiya Tabassum	Synergistically Enhanced Catalytic Activity of Ternary CeO_2-MoO_3-ZnO Nanocomposite Toward Bioactive Coumarin-Naphthoquinone Derivatives

42	PP42	Uppuluru Ajay	One-Pot, Multicomponent Cascade Synthesis of 3-Ketoquinolines from Terminal Alkynes and Anthranils Using DMSO as a Dual Synthon
43	PP43	Vishal Kaushik	Extraction of lignin from agricultural waste by using green extraction method and its potential as an antimicrobial agent
44	PP44	Yesasvini Muniraj	Exploring Marine Microorganisms as Sustainable Sources of Antimicrobial Metabolites
45	PP45	Shubham Vilas Warudkar	Upconversion Luminescence in Er3+ doped and Er3+/Yb3+-codoped BiYWO6 Phosphor
46	PP46	Hariharan Selvaraj	A Visible Light-Promoted C-H Insertion Reaction of Diazoamides with 1,3-Diketones
47	PP47	Aarthi G	Sol-Gel synthesis of V2AlC MAX Phase for multifunctional applications
48	PP48	Aishwarya S	Copper-Anchored Polyurethane Foams: Robust and Recyclable Heterogeneous Catalysts for Synthesis of Novel N-Heterocyclic Compounds
49	PP49	Akshay Bhaskar Pimpalkar	Structural, Morphological and Luminescence study of Sm3+ doped $CaMgSi_2O_6$ Phosphor
50	PP50	Anand Kumar E	Synthesis, Structural Characterization, DNA Interaction and Cytotoxicity Studies of Zinc(II) Azomethine Complexes
51	PP51	Ashirbad Nayak	Water-Compatible Phosphine-Free Ruthenium (II) Catalyst for the dehydrogenation of Benzyl Alcohol Derivatives in aqueous solution
52	PP52	Bency Jose	Reduced graphene oxide-Polyoxometalate-Polypyrrole based high-performance electrode material for hybrid supercapacitors
53	PP53	Bhagyashree V	Multifunctional Electrospun Bismuth substituted hydroxypatite/ ZnO/ PVA Nanocomposite for Bone Tissue Engineering Applications
54	PP54	Divya T	Morphology-Controlled $CoFe_2O_4$ through Surfactant-Mediated Synthesis for Enhanced Electrochemical Performance in Asymmetric Supercapacitors
55	PP55	Boopathi Bommu	$NdCoP_2O_7$ Microrods Integrated with an Interconnected Carbon Nanofiber (CNF) Network for Asymmetric Supercapacitor
56	PP56	Krithikapriya Chinniah	Interfacially Engineered Silver-Ruthenium Nanoparticle-Anchored Borophene for Enhanced Antibacterial Activity and Breast Cancer Cell Inhibition
57	PP57	Aswini Ravi	Facile Synthesis of NiVO4/SnO2 Heterostructure Nanocomposite as a High-Performance Electrode Material for Supercapacitor Applications
58	PP58	Harini Bhagyaraj	Interface-Engineered $Co_2V_2O_7$@rGO Nanocomposite for Enhanced Bifunctional Electrocatalysis toward Overall Water Splitting
59	PP59	Johan Oommen Cherian	Harnessing UV Light to Create Oxygen Vacancy-Enriched Black BiOCl for Enhanced Visible-Light Photocatalytic Degradation of Rhodamine-B
60	PP60	Ponmalai Kavina	SO_3H@Carbon Powder Derived from Waste Cassava Peel: An Efficient, Recyclable Green Catalyst for the Ultrasound-Assisted Synthesis of (phenylamino)-1,4,5,6,7,8-hexahydroquinoline-3-carbonitrile Derivatives
61	PP61	Kiran Vilas Butle	Visible-Light-Induced Thiocyanation of Aryl Halide Using a Recyclable Fe(II)-Porphyrin Heterogeneous Photocatalyst
62	PP62	Kishore Raghu	Redefining Wacker Oxidation Chemistry: Sustainable Iron Catalysis at Room Temperature
63	PP63	Korada Ganesh	Metal oxide-MOF Composite for Rapid Hydrogen Sensing under Oxygen-deprived Environments at Ambient Conditions
64	PP64	Moorthy Rishi Sanjay	Synthesis of a Nitrogen-Rich Hydrazone-Based Metal-Organic Framework for Fluorescent Carbon Monoxide Sensing
65	PP65	Monish Ramakrishnan	Selective conversion of furfural to furfuryl alcohol using yttrium aluminates
66	PP66	Naman Arora	Design, Synthesis and Photophysical Studies of some Mixed-Ligand Transition Metal Complexes: Experimental and DFT Insight
67	PP67	Nithesh Kumar Krishnan	Supramolecular Engineering of γ-Cyclodextrin Encapsulated Rhodamine Derivative Modified Histidine Porous Carbon for Solid-State and LiPF6 Symmetric Supercapacitors
68	PP68	Ponnarasan Subramani	Immobilization of Mo(VI) in La(OH)3 Lattice for Radioactive Molybdenum Confinement
69	PP69	Praveena B	Molecular Tuning: Functionalized Terpyridine Frameworks for Advanced Catalytic and Sensing Platform
70	PP70	Preethi M	Tailored α-Aminophosphonates: Unlocking Superior Coordination, Photophysical, and Biological Properties
71	PP71	P. Ragul	Hydrothermally Synthesized $CoMoO_4/TiO_2$ Heterostructure as an Efficient Electrocatalyst for Hydrogen Evolution Reaction
72	PP72	Ramya P	Alcoholysis of furfuryl alcohol using Mo_2C/carbon catalyst
73	PP73	Ritu Purna Sahu	Electrospun PVDF and ZnO-PVDF composite fibres for wastewater purification
74	PP74	Rohan Gharad	Self-Assembled Naphthalenediimide Nanoreactors for Sustainable Catalysis and Nanomaterial Synthesis
75	PP75	Rushikesh Rajaram Nigade	Porphyrin-Based Catalysts for Sustainable Visible-Light-Assisted Knoevenagel Condensation
76	PP76	Sailesh Nithin	Mechanochemical Solid Solution Formation in Zeolitic Imidazole–Tetrazole Frameworks for Enhanced Oxygen Evolution Reaction

77	PP77	Sakshi Ravindra Giradkar	Synthesis of 1,4-Substituted-1,2,3-Triazole by using Fe(II)-Porphyrin Photocatalyst
78	PP78	Santanu Bera	Chiral and Bright Green Fluorescent MXene Quantum Dots as “On/Off/On” Nanoprobe for the Selective and Ultrasensitive Detection of Hypochlorite and Glutathione
79	PP79	Ramyashree N	Dual-Functional CeO_2-MoS_2-NiO Nanocomposite for Supercapacitor Electrodes and Substituted N-heterocycle Synthesis
80	PP80	Shaik Anisha	Glucose as an efficient and green hydrogen source for rucl2(pph3)3 catalysed transfer hydrogenation of aldehydes and ketones
81	PP81	Sountarya Meenal	Reduced Graphene Oxide-Supported Zirconium-Nickel Oxide Composite for Efficient Overall Water Splitting
82	PP82	D. Subhashini	Hydrothermally synthesised synergistic NiCo2O4/g-C3N4 nanocomposite for a highly stable symmetric supercapacitor
83	PP83	V. Sravani	Advanced Flame-Retardant Polyurethane Foams: Next-Generation Materials for Multifunctional Performance
84	PP84	Mebin Varghese	Morphology Tuned Viologen-Based Covalent Organic Frameworks: A Fast and Targeted Approach to Eliminate Toxic Organic Pollutants from Water
85	PP85	Veni Soundra Krishnan	Borophene Nanosheets Supported Cobalt and Nickel Based Spinal Electrocatalyst for Water Oxidation
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