Poster Presentations: Day 1, 12-01-2026

Venue: SSL Foyer and SAMat Building, JNCASR

Chair of the Poster Session: Dr. Ashish Singh (Guru Ghasidas Central University) & Dr. Prasenjit Das (IIT Ropar)

P1	Aarya Sharma	Scalable And Ultrafast Continuous Flow Synthesis of Uio-66 (Ce) MOF for Efficient Conversion of CO_2 Conversion to Cyclic Carbonates
P2	Aayush Anand	Engineering Multifunctional Mesoporous Polymer networks via Triazolinedione Click Chemistry for Environmental Remediation
P3	Abhijeeet V. Kamble	1,1,6,6-Tetracyano hexatriene Linked Conjugated Microporous Polymer for High Photocatalytic Hydrogen Evolution
P4	Abhijith Das	Synthesis of novel DETA functionalized aluminium fumarate for the effective remediation of tetracycline form aqueous medium
P5	Abhilekha Borah	Visible-Light-Responsive g-C_3N_4/TiO_2 Heterojunctions Derived from MIL-125(Ti) for Efficient Hydrogen Evolution and Glycerol Oxidation
P6	Abul Hasnat	Surface Functionality in NanoCOFs Drives Enhanced Cellular Uptake in Lung Cancer Cells
P7	Adithyan P	Free-Standing Amphiphilic Organic Membrane toward Ultrafast and Efficient Demulsification
P8	Tanmay Rom	Nano perovskite oxide-MOF Heterostructures for Light-Enhanced Piezocatalytic Green Hydrogen Production
P9	Ajay Ugale	Porosity-Driven Electrochemical Divergence in Structurally Isomeric 2D Metal-Organic Frameworks for Lithium-Ion Storage and release
P10	Akhil Chandran P	Design and development of redox active novel Metal-Organic Frameworks for efficient photocatalytic CO_2 reduction.

P11	Altaf Husain	Tuning Dimensionality and Linkage in Metal–Organic Frameworks for Enhanced Electrochemical Energy Storage
P12	Amal R S	Metal-Organic Framework Structure Generation Using Diffusion Models
P13	Amit Kumar	Metal-free Heptazine-based porous organic polymer for photocatalytic CO_2 reduction in water under non-sacrificial ambient conditions
P14	Amit Nagar	Design of Donor-Acceptor Covalent Organic Framework for Photocatalytic Hydrogen Production
P15	Amit Thapliyal	Room-Temperature Synthesis and Structural Characterization of Cyclam-Based Cd(II) and Zn(II) Metal–Organic Frameworks
P16	Amrita Hazra	Fabricating Tetraphenylethylene-Based Ionic Porous Organic Polymers for Efficient Sequestration of Toxic Iodine and Oxoanions in Multiple Media
P17	Anagha H. Nair	Pioneering a Low-Cost Fluorescent Sensing Platform: A Stable ZIF-8 Framework for the Non-Invasive Detection of Urinary Biomarker in Cancer Diagnostics
P18	Anam Afaq	Design and Synthesis of Zn-based Metal Organic Frameworks (MOF) for Adsorptive Removal of Pharmaceutical Contaminants
P19	Sumanta Basak	Functionalized Metal–organic Framework Thin Films for Stable and Efficient Water Oxidation under Near-neutral Conditions
P20	Anupam Maiti	Chemically robust Zn-MOF for high-performance supercapacitor and H_2 storage
P21	Apu Saha	Constructing Charge-Assisted Multicomponent Amidinium iHOFs for Ultrahigh Superprotonic Conductivity
P22	Arjun Warrier	Disorder Driven Triphenylamine based Monolithic Covalent Organic Framework for the Efficient Removal of Toxic Oxo-anions from Water
P23	Arkaprabha Giri	Amine-grafted Covalent Organic Frameworks for Humidity-Boosted Direct Air Capture under Ambient and Sub-ambient Temperatures
P24	Arnab Sadhukhan	Covalent Organic Frameworks via in-situ monomer release for humid CO_2 uptake

P25	Arshminder Kaur Dhillon	Plasma-assisted defects in iron-based metal-organic framework for energy-efficient photocatalytic water sterilization
P26	Arun Kumar Manna	Light-activated nanopores in gas-permselective membrane
P27	Ashish Kumar Kripashanakar Yadav	Reconstructed Bi-MOF for Electrochemical CO_2 Reduction to Formate
P28	Ashish Kumar Maharana	Partially Graphitic Covalent Triazine Frameworks as Multifunctional Metal-Free Platforms for Energy Storage and Electrocatalysis
P29	Ashna Jose	Data-Driven Design of Electroactive Metal-Organic Frameworks
P30	Ashok Yacham	Understanding selective CO_2 capture, distribution and diffusion of gas in ZIF-90
P31	Atanu Pandit	Antagonistic functionality decked redox-reliant MOF enabled electrocatalytic water splitting and mild-condition one-pot synthesis of bioactive 4H-pyrans
P32	Athira K K	Surface structure-driven activity and selectivity in ZIF-67 for CO_2 cycloaddition with propylene oxide
P33	Atul	MOF based adsorbents for CO_2 Mitigation and Dye removal from wastewater
P34	Augastus Camellus R B	In Situ Growth of Triazine-Based β-Ketoenamine COF on Carbon Nanotubes for Durable Sodium-Ion Battery Anodes
P35	Avanti Chakraborthy	Structural modulation in covalent organic frameworks for photocatalytic hydrogen peroxide generation
P36	Avishek Gangopadhyay	Molecular Precision in Porous Solids: Hydrogen-Bonded Organic Frameworks for Selective Transport and Separation
P37	Ayan Chowdhury	Tunable Photocatalytic CO_2 Reduction by Covalent Grafting of Cerium Oxide Nanorods in a Covalent Organic Framework
P38	Babita Poonia	Facile Friedel-Crafts Alkylation and Biginelli Multicomponent Reactions using a Metal-Organic Framework with Open Metal Site
P39	Bhagyasree T M	Donor–acceptor-based two-dimensional polymer as a supercapacitor electrode with long cycling stability
P40	Bidhan Kumbhakar	A Dimolybdenum Paddlewheel Embedded Covalent

		Organic Framework for Photocatalytic Hydrogen Peroxide Generation
P41	Bidyadhar Mahato	Amine-Imine Tautomeric Excited-State Intramolecular Proton Transfer in Metal Organic Frameworks: Alcohol and Anion Recognition
P42	Bikash Mishra	Homologous Heteropolyaromatic Covalent Organic Frameworks for Metal-free Visible-Light Photocatalytic Dehydrogenative Transformations
P43	Bikram Pramanik	Catalytic Efficacy of a 2D Chemically Robust MOF for the Synthesis of Bioactive Diindolylmethane (DIM)-based Drug Molecules
P44	Bitan Sardar	Metal-organic framework immobilized NNP-Fe pincer complex catalyzed selective monoborylation of methane
P45	Chaitanya Yerragudi	Non-Faradaic Capacitive Sensing of Halides at Amine-Rich Electroactive Hybrid Interface
P46	Chhaya	An efficient catalyst NH_2-MIL-101(Fe)@AC for Conversion of CO_2 into cyclic carbonates under Ambient Conditions
P47	Chhaya Thadhani	Cobalt Catalyzed Selective Monoborylation of Methane
P48	Chithra K R	Plasma modified ZIF-8 incorporated PVDF membrane for efficient removal of antibiotics from water via crossflow filtration
P49	Debasis Pal	Post Synthetic Transmetallation and Water Induced Structural Transformation: The key Mediators in Proton Conduction by Metal-Organic Frameworks
P50	Debobroto Sensharma	OligoMOFs: Tuning MOF Structure and Properties Using Inter-Ligand Linkages
P51	Deepali Sharma	Engineering Zr-MOFs for a Greener Tomorrow: Catalytic CO_2 Conversion Made Easy
P52	Dipanjan Majumder	Nano-Springe Enriched Hierarchical Porous MOP/COF Hybrid Aerogel: Efficient Recovery of Gold from Electronic Waste
P53	Dipayan Ghosh	Enhancing Photocatalytic Activity of Porous Organic Frameworks via Facile Post-Synthetic Modification for Ultrafast Uranium Extraction
P54	Divya	Electron rich triazine based covalent organic framework as aqueous electrolyte symmetric supercapacitor

P55	Sagarmani Rasaily	Microwave-Assisted Synthesis of Ketoamine-linked COF and Elucidation of Electron-transfer Dynamics for Enhanced Photocatalytic H_2O_2 Production
P56	Urosa Latief	Multifunctional Poly(vinylidenefluoride) based Composites: Harvesting Biomechanical Energy for Self-Powered Piezo-Optoelectronic Application
P57	Astha Singh	A coffee waste@anthraquinone COF nanocomposite as a photocatalyst for green hydrogen production
P58	Aswathy N R	Sustainable Cellulose Acetate–Clay Porous Organic Polymer for Efficient Removal of Anionic Dyes from Wastewater
P59	Atul Kapoor	Bifunctional Conjugated Microporous Polymers for Ultra-trace Antibiotic Detection and Photocatalytic Micropollutant Degradation
P60	Durga Ramadas Nayanar	Experimental and Mathematical modeling studies of structured reactors for CO_2 adsorption
P61	Gargee Roy	A supramolecular host matrix for preserving fluorescence in the solid-state
P62	Gugulothu Rambabu	Designing High-Performance Co-N Embedded Covalent Triazine Frameworks for Oxygen Reduction in Zn-Air Batteries
P63	Gumma Jayasri	Mechanistic Understanding of 5-Fluorouracil Encapsulation and Release in UiO-66: An Experimental and Computational Approach
P64	Harshita Bagdwal	Unveiling the Role of Polyoxometalates in Oxygen Evolution: A pH-Resilient Molecular-to-Heterogeneous Catalytic Transition
P65	Henrike von Wedel	Catalytic tandem reactions in mesoporous metal-organic frameworks
P66	Himani Goyal	Modulation of thermal behavior in Isostructural Glass forming Coordination Polymers by Alkyl-onium Cation Core Replacement
P67	Abhiram Kalluri	Water evaporation through Nanoporous membranes: Metal-Organic Frameworks
P68	Himanshu Kumar Bhatt	Highly Efficient Electrochemical Sensor Based on Polydopamine-Coated Silver Nanowire/Defect-ridden UiO-66-NH_2 Nanocomposites for Trace Detection of Cd(II) and Pb(II) Ions in Water

P69	Hiranmoy Pal	Cation-Assisted Water Oxidation with Crown Ether–Based Covalent Organic Frameworks
P70	Iradat Hussain Mafat	Accelerated Screening of Metal-Organic Frameworks for Carbon Dioxide Capture
P71	J Manojkumar	Next-Gen Energetic 3D MOFs and Hydrogen-Bonded Frameworks for High-Energy Materials and Iodine Encapsulation
P72	Janaki Behera	A 2D microporous 'flexible-robust' MOF for efficient natural gas purification with C2s/CH4 and CO_2/CH_4 separations
P73	Jatin Chauhan	Shaping Nanocrystals to Understand Catalysis: Case Study of Fe_2O_3 and In_2O_3
P74	Jeebanjyoti Mohapatra	Tailored Nanoparticle Organic Network Membranes for Hydrogen Generation
P75	Joydeep Ray	Ligand Directed Dimensionality in Silver Cluster-Assembled Materials: Impact on Urea Oxidation Reaction and Resistive Switching
P76	Kabilan V M	Electrochemical Monitoring of Pd^{2+} Ions Using IRMOF-3 Modified Glassy Carbon Electrode for Nuclear Waste Monitoring as a Novel Sensor Platform
P77	Kajal Uphade	Ultrafast Synthesis of Conductive 2D Metal–Organic Frameworks
P78	Karan Marvaniya	2D Thin Films of Molecularly Woven Hydrogen Bonded Organic Framework for Precise Molecular separation
P79	Khushboo Rathore	Silver-Confined SVNIT-1 Metal-Organic Framework as a Promising H_2S Sensor for Asthma Monitoring and Diagnosis
P80	Kiran Asokan	A Scalable Approach Using gC3N4-Grafted Covalent Organic Framework Towards Sustainable Hydrogen Production from Seawater and Wastewater
P81	Kirti	Dynamic Linkage Microregulation at Atomic Nodes in Heptazine-Based Polymeric Networks for Enhanced Photocatalytic Baeyer-Villiger Oxidation
P82	Kishalay Biswas	Pore Engineering in Chemically Robust Porous Organic Polymer (POP) for Ultratrace Detection and Superior Sequestration of PFAS from Water
P83	KM. Archana Yadav	Ion-selective mixed matrix membrane using functionalized

		Metal Organic Framework
P84	Komal Jiindal	Mechanistic Insights into Shape-Selective Molecular Recognition through Rotational Dynamics in MOFs using Ab-initio molecular dynamics
P85	Krishnendu Jana	Covalent Organic Framework Nanocomposite-Based Electrode Materials for Sodium-Ion Storage
P86	Mukti Biswas	ZnO@Ce-BDC-NH2 as a Fluorescence "Turn-Off" Sensor for Ultrasensitive Detection of Copper (II) and Iron (III) ions
P87	M L Murchana Kalita	Exploring Porphyrin based 2D c-MOF as Single-Atom Catalyst for Carbon Dioxide Reduction Reaction: An ab initio Study
P88	Madhurima Sarkar	Conjugated porous organic polymer film for photoelectrocatalysis and electrochemical CO2 capture
P89	Mahesh Neem	Custom-built charged covalent-organic polymer for elevated-temperature boosted separation cum selective and benign fixation of CO_2 with bi-phasic iodine scavenging
P90	MERIN JOY	A Novel NiCo-MOF Dual-Function Electrocatalyst Tackling Energy and Environmental Concerns
P91	Manish Kukreja	Enhanced Luminescent Sensing of Pymetrozine Pesticide in Cow Milk Using an 8-c Connected Cd(II) Coordination Network with Sensitivity Up to 0.448 ppm
P92	Manish Kumar	Electrocatalytic Hydrogen Evolution Reaction (HER) with Triphenylamine based Metal-free Conjugated porous Organic Polymers (POPs)
P93	Manish Ramesh Shingole	Controlled Pore Modulation and Structural Evolution in ZIF-67 through Nickel and Copper Substitution: combined BET-PALS Insights Analysis
P94	Meenakshi	Metalloligand-Based Metal-Organic Frameworks as Tunable Platforms for Visible-Light-Driven Photocatalysis
P95	S Muthukrishnan	Exploring MOF-Hydrocarbon integration for sustainable adsorption cooling: An accelerated approach using Bayesian optimization and Mote Carlo simulations
P96	Vignesh Pai	Machine Learned Interatomic Potentials for Chemical Reactions

Poster Presentations: Day 3, 14-01-2026

Venue: SSL Foyer and SAMat Building, JNCASR

Chair of the Poster Session: Prof. Rajeswara Rao M (IIT Dharwad) & Dr. Arijit Mallick (Jawaharlal Nehru University)

P97	Mebin Varghese	Morphology Tuned Viologen-Based Covalent Organic Frameworks: A Fast and Targeted Approach to Eliminate Toxic Organic Pollutants from Water
P98	Mala Pamei	Environmentally Benign Sonochemical Route to Cobalt metal-organic framework for Sensitive Phosphate Detection
P99	Million Mulugeta Habtegebrel	MOF-derived Mesoporous CeO_2/CdS-x composite for enhanced photocatalytic hydrogen evolution
P100	Mohammad Azhar Hasan Ansari	Dual electronic and Li+ ion conducting Ytterbium-Hexaazatrinaphthalene MOF as high performance anode for Li+ ion batteries and its carbon nanotube composites
P101	Monisha Arumugam	Rare-Earth Based Metal-Organic Frameworks using aliphatic acid linker as Multifunctional platforms for the biological and catalytic applications
P102	Monojit Roy	Xantphos-Cu-Decorated Covalent Organic Frameworks for C-H Arylation through Sensitized Electron Transfer
P103	Mouli Das Dawn	MOFs to Next-Generation Energy Devices: Engineering Nanocomposites, Mixed-Matrix Membranes, and Thin Films
P104	Soumya Kanti Mondal	Cluster Metalation and Post-Synthetic Pore Modification of MOF-808 towards Photocatalytic CO_2 Reduction to Ethanol
P105	Nallamalla Sujith Benarzee	A Flexible Ternary COF@MWCNT-MXene Flexible film for Synergistic Hydrogen sensing at Room Temperature
P106	Nayan Sarkar	Lead Free Perovskite Infused MOF-based Aerogel Composite for Photocatalytic C(sp3)-H Bond Activation
P107	Neha Luhakhra	Wide range photoabsorption of PPy/g-CN for photocatalytic hydrogen production
P108	Pampa Jhariat	Hydroxide Ion Conduction through Viologen-based Covalent Organic Frameworks (vCOFs): an Approach towards the Advancement
P109	Neha Saini	Sulfone-Functionalized Covalent Heptazine Polymeric networks for Selective CO_2 Photoreduction in Water: Mechanistic Insights into Sacrificial Donor-Dependent Selectivity

P110	Nilojyoti Sahoo	Salphen-Functionalized Conjugated Microporous Polymer Enabling Dual-Mode Cu^{2+} Sensing and Tandem Cysteine Capture
P111	Nissar Hussain	Expedited Electrochemical Activation of Cobalt Metal-Organic Frameworks via Undercoordination Chemistry for Robust Bifunctional Electrocatalytic OER and HER
P112	Nitesh Kumar Das	MOF based Immunosensor For Ferritin
P113	Paltu Kumar Giri	Designing functionalized Metal-Organic Frameworks for C–H bond carboxylation to produce valuable compounds by the utilization of CO_2
P114	Pankaj Kumar	Buffer pKa dependent hydrogen evolution catalyzed by cobalt Bis(pyridylmonoimine) complex in water
P115	Partha Pratim Mondal	Site-memory-triggered reversible acronym encryption in a pore-partitioned MOF for ultrasensitive detection of organic pollutant over multiple platform
P116	Parvez Alam Khan	Ca-Complex immobilized ZIF-8 for the conversion of CO_2 to methanol
P117	Piyush Singh	Design and Synthesis of New Ultramicroporous Zinc-Triazolate based MOFs for Selective CO_2 Capture
P118	Poornima M	Nitrogen-Rich Magnetic COF for High-Efficiency Palladium Recovery under Acidic Conditions
P119	Poulomi Sarkar	Photothermal catalysis-assisted mineralization of Tetracycline using novel $CuFe_2O_4$@MIL100/PDA core shell composite catalyst
P120	Prantik Dutta	Superprotonic Conductivity with Ultralow Activation Energy: Integration of HOF into Mixed-Matrix Membranes for Enhanced Proton Transport
P121	Prashant Navnath Yevale	Novel Diamide Covalent Organic Polymers (COPs) for Arresting Actinides U(VI), Pu(IV) and Am(III) from Highly Acidic Nuclear Stream
P122	Prasita Mazumder	Influence of Auxiliary Ligand Incorporation in Nickel-Based Metal–Organic Frameworks on Oxygen Evolution Electrocatalysis
P123	Praveena Ragavan	Noninvasive Portable Neurotransmitter Electrochemical Sensing Featuring MOF-Based Materials
P124	Preeti Sharma	Cu-MOF@TMB Integrated Test Strips for Naked Eye Colorimetric Detection of a Critical Biomarker for Metabolic and Renal Disorders
P125	Priti Bera	A Metal-Organic Framework Catalyst Facilitating Solvent-Free Transformation of CO_2 and Styrene Oxide into Styrene Carbonate
P126	Priyanka Bhardwaj	Enhancing Ionic Transport in PEO Composite Electrolytes via 3D MOF for All-Solid-State Supercapacitors
P127	Priyanka Dobariya	Counterion-Directed Assembly of oriented 1 nm-intrinsic porous Polyoxometalate Thin Films for Precise Molecular Separation
P128	Priyanka Grewal	Porphyrin-Based Metal–Organic Framework Anchored on Doped Reduced Graphene Oxide for Energy Applications
P129	Ragasudha	Sulfonated Polyimide- decorated with Iron Metal-Organic Framework loaded

		Phosphotungstic Acid as an Efficient Ion Exchange Membrane for Fuel Cell Applications
P130	Rahul Sarkar	N/O-Doped Porous Carbon Nanosheets Derived from Chemical Blowing of Conjugated Polymeric Network for Efficient Energy Storage and Conversion
P131	Raj Kishore Das	Synthesis and photoluminescence study of Eu^{3+} doped Lanthanum-2,5-thiophenedicarboxylate frameworks
P132	Rajarshi Ghosh	Modulating MOF Photoresponse via Donor-Acceptor Interaction for Polarity-Based Molecular Sensing
P133	Rathindranath Biswas	Interface-Engineered $NiWO_4$@CuO 2D Nanoplates for Enhanced Oxygen Reduction Reaction and Alkaline Fuel Cell Performance
P134	Renjith B. Nelliyil	Pressure and Temperature Induced Amorphization of Unsubstituted Imidazole Incorporated ZIF-8
P135	Rishabh Dubey	Bifunctional Metal–Organic Framework Porous Liquid for One-Pot Capture and Conversion of Dilute CO_2
P136	Rishagni Chetia	Dual Detection in a Single Framework: Aqueous-Phase MOF Fluorescent Probe for Selective Sensing of Fe(III) and Cr(III)
P137	Ritu Ladhi	Ultrathin MOF nanosheets and their mixed-matrix membranes for Ammonia and Aliphatic Amines sensing in Water
P138	Ritu Rani	Polyimide Based Covalent Organic Frameworks (COFs) as a Fluorescence Sensor for Detection of Antibiotics and Picric Acid
P139	Rudra Chand	Free COOH-tethered layered Co(II) framework and flexible composite as size-reliant tandem and robust catalyst for mild scalable synthesis of bioactive drugs
P140	Rupak Chatterjee	Acetylene-Linked Conjugated Microporous Polymers for CO_2 Photoreduction to Methanol: Influence of Acceptor and π-Bridge Engineering
P141	Saandra	Hybrid Porous Material for Photocatalytic CO_2 Reduction
P142	Sachin MB Gautham	Evaluating the Potential of the Water-Stable MOF CALF-20 for Atmospheric Water Harvesting Applications
P143	Samanyu Acharjya	Influence of Doping and Morphology in Co-based MOF for Enhanced ORR-OER bifunctionality for Zinc-Air Batteries
P144	Sakkho Subhra Samanta	Design of thiazolothiazole-linked porous organic polymer with active chelating sites for noble metal-free electrocatalytic Hydrogen evolution reaction
P145	Satyapriya Nath	Revealing Wavelength Dependent Intrinsic Optical Properties of Covalent Organic Frameworks by Frequency and Time Domain THz Spectroscopy
P146	Sayantan Chongdar	Efficient Low-Overpotential Electrochemical CO_2 to Methanol Conversion Using Nickel-Based Hollow 0D Carbon Superstructures

P147	Shagun Kushwaha	Synthesis and Structure of Two Isostructural Lanthanide-Based MOFs with a Flexible Anthracene Ligand
P148	Shankar B.	MOF-Derived CoW-Alloy Carbon Nanotubes: A Trifunctional Electrocatalyst for Water Splitting and Zinc-Air Battery Applications
P149	Shanly Shajan	Metal-Organic Frameworks as Effective Nanocarriers for Targeted Anticancer Drug Delivery
P150	Shayan Karak	Emergent Molecular Weaving in an Ionic Metal-Organic Network for CO_2 Conversion
P151	Shovan Samanta	Correlating Phase Evolution and Optical Properties of Tin-based Metal Organic Framework Towards Reduction of CO_2 Using Visible Light
P152	Shrilega M	Adsorption and Diffusion Behaviour of CO_2 and N_2 in Metal-Organic Frameworks using Molecular Simulations
P153	SK Abdul Wahed	Gold recovery from acidic wastewater using ionic viologen organic and metal–organic framework composites
P154	Sneha Mishra	Insights into the surface chemistry of a composite of a coordination polymer (ZnCP) for efficient catalytic CO_2 conversion to organic carbonates
P155	Sobhna Acharya	Engineering Functionalized Zr-Based MOFs for Efficient CO_2 Conversion and Electrocatalytic Water Splitting
P156	Soumen Khan	Ligand-Modulated, Dimensionally Tuned MOF Nanosheets through Bottom-Up Approach for Enhancing Energy Storage Performances: Experimental and Theoretical Insights
P157	Soumitra Sau	Effect of two-fold single-atom substitutions (S, Se; C, N) in band gap engineered donor–acceptor conjugated microporous polymers on the efficient aerobic photooxidation of aryl sulfides
P158	Subhajit Chakraborty	Turning CO into Ethylene: Electronic Modulation of SnS_2 *via* a Vinyl-Bridged Porous Polymer
P159	Sourav Kumar Sarkar	Bipolar Covalent Organic Nanosheet as Efficient Anode for High Performance Aqueous Zinc-Ion Battery
P160	Srijan Mukherjee	Unveiling unprecedented recovery of gold from electronic waste and diverse water matrices at neutral pH by a post-synthetically engineered ionic liquid tethered cationic MOF hybrid
P161	Sruthi V .P	Biomimetic CuO/ZTF-8 nanozyme-based neoteric sensor for the selective detection of superoxide anions
P162	Sudip Maity	A Threefold Approach to Boost Photo-harvesting Efficiency in Covalent Organic Frameworks for Hydrogen Peroxide Generation
P163	Sudipa Mondal	Impact of electrocatalytically active morphological allotropes of functionalized polyoxometalates on oxygen evolution reactions
P164	Suhana Karim	Beyond Capture: Ni-Cu 2D MOF Thin Films as Dual Function Platforms for Aqueous CO_2 Mineralization and Electrochemical Valorization

P165	Suman Karmakar	Efficient Exciton Dissociation and Harvesting for the Sacrificial Agent and ROS-Free Simultaneous Photoredox Removal of Uranium(VI) by e- and Ciprofloxacin by h+ Using Triazine-based CMPs
P166	Anjana Simon	Microwave-Assisted Green Synthesis of UiO-66-NH_2 and Its Structural, Textural, and Optical Analysis
P167	Suvendu panda	Catalysis by nanoporous MOF thin film in a cross-flow microfluidics
P168	Suporna Bhowmik	Co-Catalyst-Free Conversion of CO_2 to Cyclic Carbonates Using a Post-Synthetically Modified Trifunctional Cu-MOF
P169	Supriti Dutta	Cationic Covalent Organic Framework for Photocatalytic Defluorinative Amination of Fluoroarenes
P170	Supriti Mahanta	Design and Functionality Engineering of Chemically Robust Porous Organic Polymer (POP) for efficient Sequestration of Highly Toxic 99TcO4-
P171	Sushmitha	Copper-BTC (MOF-199) as a Nanocarrier for Tannic Acid and using as a Sustained, Eco-friendly Protection of Brass in Marine-Simulated Chloride Media
P172	Susmita Kundu	C6 alkane isomer diffusion selectivity in the oriented nanochannels of MOF thin films
P173	Sumisha S	Engineered Supercapacitor Electrode via Hybridization of MOF-Derived Cobalt Oxide with Graphene
P174	Swadhin Kumar Jena	Tuning Photophysical properties of a Doner-Acceptor Covalent Organic Polymer for Visible light driven Continuous flow photoreduction of Hexavalent Chromium
P175	Swati Bedi	Ten-Million-Fold Increase in the Electrical Conductivity of a MOF by Doping of Iodine into MOF Integrated Mixed Matrix Membrane
P176	Adrija Ghosh	Photo-piezocatalytic water splitting by post-synthetic charge-transfer complexation driven cluster modification in a Ce-based MOF
P177	Tarun Kumar	Fluorescent Cu-MOF@Rhodamine-B Nanocomposite for the Selective Sensing of Nitrate in Human Serum
P178	Thanasekar C	Orthogonally Engineered Redox-Active 2D Polyimide-Carbon Nanotube Hybrids for Long-Life Lithium-Ion Battery Cathode
P179	Umashis Bhoi	Thermally-Driven Conformational Twist in Organic Azobenzene Linker Activates Molecular Doping Effect in Thin Films of Lanthanide MOFs
P180	Unnatiben A Patel	Aggregation-Induced Emission-Based Covalent Organic Frameworks for Sensing and Detection
P181	Varad Jayant Daoo	PRIME: A Prediction and Recommendation System for Imputation of Missing Entries in Material Property Matrix
P182	Varsha Raj	MOF-on-MOF Core-Shell Cu-BTC@UiO-66 Hybrid for Enhanced Electrochemical Detection of Nitrofurantoin

P183	Vibhav Shukla	Fe-doped Zinc-MOF Composites and its Test-Strip Employed for Colorimetric Detection of Glucose in Model and Real Urine Samples
P184	Vinutha K V	Sunlight-triggered Photochromism of Imidazole-based 2D polymer via Open-Shell Diradicalization
P185	Vishnu Nair Gopalakrishnan	Controlling the degree of interpenetration in 3D covalent organic frameworks for tailored porosity
P186	Yogesh Kumar	Amino-Functionalized Cerium MOF for Sustainable CO_2 Fixation into Cyclic Carbonates
P187	Yoti Shankar Patra	Metal-Free Doner-Accepter based Porous Organic Polymer for Light-Induced CO_2 Reduction to CO
P188	Aswathy N. R.	Sustainable Cellulose Acetate–Clay Porous Organic Polymer for Efficient Removal of Anionic Dyes from Wastewater
P189	Erum Abedeen	Computational investigation of Pyrido[1,2-a] benzimidazole motif as MOF linker
P190	Priyanka Singh	Ni-coordination polymer as potential remedial compound for efficient detection and seclusion of toxic aromatic dyes from contaminated water
P191	Disha Brahma	Development of Machine-Learning Model for Predicting Water Isotherm Step in Two-Dimensional Covalent Organic Frameworks
P192	Litun Kumar Pradhan	Design transition metal based MOF and MOF-Derived Chalcogenide Catalysts for Efficient Energy storage and conversion