

Final List of Poster Presenters #MatChem

Poster No.	Name	Poster Title
MC1	NABANITA HAZRA	Capillary Driven Self-Assembly of Ellipsoidal Composite Microgels at the Air/Water Interface
MC2	ARIJIT JANA	A Hexagonal Propeller-Shaped Silver Nanomolecule
MC3	Hridoy Jyoti Bora	FILM-BASED ELECTRONIC VOLATILE ACID VAPOR SENSOR WITH ULTRAHIGH SENSITIVITY FOR REAL-TIME ANALYSIS
MC4	Arunavo Chatterjee	Detailed Photophysical Dynamics of Yellow Emitting Carbon Dots Inside Niosomes and Spectroscopic Exploration of a NIR Emitting FRET Pair: A FLIM-FRET Study.
MC5	Kavita Rani	Multi-stimuli programmable FRET based RGB absorbing antennae towards ratiometric temperature, pH and multiple metal ion sensing
MC6	SUBHAJIT CHAKRABORTY	Tyrosine-Templated Dual-Component Silver Nanomaterials Exhibit Photoluminescence and Versatile Antimicrobial Properties through ROS Generation
MC7	Ankit Nagar	Scalable Drop-to-Film Condensation on a Nanostructured Hierarchical Surface for Enhanced Humidity Harvesting
MC8	Parul Verma	Charge-transfer regulated visible light driven photocatalytic H ₂ production and CO ₂ reduction in tetrathiafulvalene based coordination polymer gel
MC9	Nisha Yadav	Design of Purely Organic Solid-State Room Temperature Phosphorescence(RTP) Emitters.
MC10	Arkaprabha Giri	When Macrocycle Meets Porous Organic Polymer (POPs): Resorcin[4]arene-based POPs for Selective Molecular Separation
MC11	Sourav Sen	Designing cellulose based functional materials for green energy related biotechnological applications
MC12	Chetna Tewari	Conversion of Waste to Wonder Nanomaterials for Bio Imaging, Water Treatment and Iron Sensing Applications
MC13	Shouvik Bhui	Solid state emitting fluorophore blended portable and reusable polymer matrix for quick detection of ammonia gas and aqueous melamine
MC14	Jahnabi Gogoi	Photo-responsive Azobenzene-clay- carbon dot doped nanocomposites with tunable electrical properties
MC15	Sazzadur Rahman	Guar Gum and Chitosan cross-linked bio-polymer composite film, potentially used for packaging applications.
MC16	Munshi Sahid Hossain	Mechanically flexible organic crystals capable of proton conduction act as an electrode
MC17	Ankita Deb	Fabrication of Nano-Bio-Conjugate Film using Aloe vera to detect hazardous chemicals found in cosmetics
MC18	Gyana Prakash Nanda	Non-conventional Single Component Thermally Activated Delayed Fluorescence Organo-Gel
MC19	Upasana Deori	Hyperfluorescence organic light emitting diodes with high efficiency and color purity

MC20	Nidhi Gupta	Supramolecular Nanostructures mediated Bioglass Composite as Bone Matrix Mimick
MC21	SITHARA GOPINATH	Shape-Memory Polymer Nanocomposites of Poly(ϵ -caprolactone) with the Polystyrene-block-polybutadiene-block-polystyrene-triblock Copolymer Encapsulated with Metal Oxides.
MC22	Komal N. Patil	Chemoselective Hydrogenation of Cinnamaldehyde to Hydrocinnamaldehyde over Active and Stable Ni-Cu phyllosilicate@SNTs
MC23	Saurabh Joshi	Bioinspired Adenine-Catechol Immobilized Polymer Hydrogel Adhesive for Cell proliferation in 2D and 3D Cell Culture Models.
MC24	Juri Kalita	Designing of magnetic nanohydroxyapatite for the degradation of pharmaceutical contaminant
MC25	Shabnum Maqbool	Selective Enhancement of Third-Harmonic Up-Conversion in 1D Hybrid Pyridinium Lead Iodide with Broad Self-Trapped Excitonic Emission
MC26	Tariq Sheikh	Stabilizing Lower Dimensional Lead Halide Perovskites by Intermolecular Cation- π Interactions
MC27	priyanka sarkar	Protein-Activated Transformation of Non-Fluorescent Silver Nanoparticles to Blue and Red-Fluorescent Nanoclusters.
MC28	Spoorthi B K	Ambient microdroplet annealing of nanoparticles
MC29	Subhadeep Das	Red thermally activated delayed fluorescence in dibenzopyridoquinoxaline-based nanoaggregates
MC30	Swadhin Garain	Ambient Triplet Harvesting of Purely Organic Chromophores based on Arylene mono and diimides
MC31	SUSOBHAN DAS	Harnessing molecular rotations in plastic crystals: a holistic view for crystal engineering of adaptive soft materials
MC32	Rahul Mahashya	Unconventional TADF based poly(aryl ether) dendron.
MC33	Angana Borbora	Fabrication of orthogonally reactive micron/ sub-micron capsules
MC34	Santosh Kumar Behera	Dual State Emitters based on TADF Dyads: Unveiling the Photophysics by Optical Spectroscopy and DFT
MC35	Durai Murugan K	Effect of Active Surface Area and Charge density on the Binding of probe DNA and Sensitivity of Electrochemical DNA Sensor
MC36	KUMARA B N	Ocular enzyme responsive reverse-switchable fluorescent carbogenic nanodot for therapeutic delivery and tracking
MC37	Bibaswan Sen	Pd(0) NHC carbene: Its electrochemical , crystallographic, spectroscopy and studies
MC38	SURYA M	GREEN NANOPARTICLES THROUGH BIOSYNTHETIC APPROACH
MC39	DESISSA YADETA MULETA	Waterproof pure organic long persistent luminescent that emits green OLPL for more than 8s in water and air
MC40	Aalok Basu	Nano-gold tethering boosts amyloid inhibitory activity of natural polyphenols

MC41	DR SUNIJA A.J	GREEN NANOPARTICLES THROUGH BIOSYNTHETIC APPROACH
MC42	Ranjit Mishra	Synthesis of sulfur-doped porous carbon for supercapacitor and gas adsorption applications
MC43	Sahanaz Parvin	In Situ Cation Intercalation in the Interlayer of Tungsten Sulfide with Overlaying Layered Double Hydroxide in a 2D Heterostructure for Facile Electrochemical Redox Activity.
MC44	Somnath Das	Scaling the Perovskite Red Wall: Phase-Stable and Highly Luminescent Red/NIR-Emitting All-Inorganic and Hybrid Perovskite Nanocrystals
MC45	SUSHMITA CHANDRA	Modulation of Electronic Structure and Thermoelectric Properties of Orthorhombic and Cubic SnSe by AgBiSe ₂ Alloying
MC46	Indra Narayan Chakraborty	InP/ZnS Quantum Dots as Efficient Visible-Light Photocatalysts for Redox and Carbon-Carbon Coupling Reactions
MC47	Pillalamarri Srikrishnarka	Improving the Capture Efficiency of Particulate Matter by Molecularly Charged Electrospun Nanofibers
MC48	Vinita Ahuja	Two-dimensional Mixed Lead/Bismuth Oxychloride Based Materials as Anodes for Sodium-ion Batteries
MC49	Ayan Mondal	Influence of Vanadate Structure on Electrochemical Surface Reconstruction and OER Performance of CoV ₂ O ₆ and Co ₃ V ₂ O ₈
MC50	Rishi Verma	Cold Activation of Bonds by “Hot Electrons” using Solar Light
MC51	Rinku Kushwaha	Exceptional Capacitance Enhancement of a Non-Conducting COF through Potential-Driven Chemical Modulation via Redox Electrolyte
MC52	SUPRIYA SAHOO	Ferroelectricity and Piezoelectric Energy Harvesting of Hybrid A ₂ BX ₄ type Halogenocuprates Stabilized by Phosphonium Cations
MC53	Ananya Pal	Heteroatoms doped spherical porous carbon particles that retain high specific capacitance at high current density
MC54	Ankit Samanta	Sustained generation of peroxide from air by carbon nano onion under visible light to combat RNA virus and hospital pathogens
MC55	Vishal Kumar	Room Temperature Synthesis of Nanoparticle and Nanocluster Using Triboelectric Generator
MC56	Pratik Dhumal	Graphene-bentonite supported free-standing, flexible membrane with switchable wettability for selective oil–water separation
MC57	Joy Chatterjee	Intrinsic-to-Extrinsic Emission Tuning in Luminescent Cu Nanoclusters by in-situ Ligand Engineering
MC58	Tanvi Gupte	Highly-sensitive As ³⁺ detection using electrodeposited nanostructured MnO _x and phase evolution of the active material during sensing
MC59	Ankita Mohanty	3D Hierarchical NiCo-MOF: A Potential Electroactive Material for Energy Storage Device
MC60	Tapas Kumar Dutta	Post-synthetic modification of covalent organic frameworks through in situ polymerization for enhanced capacitive energy storage

MC61	Ashutosh Mohanty	'FA and MA Cation Dynamics in APbBr ₃ Perovskite'
MC62	Praveen Kumar	Design and Fabrication Lead Free Perovskites for Photovoltaic Application
MC63	T R Poorani	Molecular Docking Study on Europium Nanoparticles and Mussel Adhesive Protein for Effective Detection of Latent Fingerprints
MC64	MD SHAHJAHAN KABIR CHOWDURY	Proton conductivity enhancement of graphene oxide membrane by treating (3 mercaptopropyl)trimethoxysilane and its application as an electrolyte in hydrogen fuel cells
MC65	Sujay Shekar G. C.	Synergetic effect of photo-Fenton and photocatalytic activity by sunlight-driven synthesis of α -Fe ₂ O ₃ -Fe ₃ O ₄ /CeO ₂ heterostructure
MC66	Debashrita Sarkar	A combined effect of heteroatom incorporation and anion etching in cobalt silicate precatalyst for improved OER
MC67	Rabindranath Garai	Conjugated Polyelectrolyte-Passivated Stable Perovskite Solar Cells for Efficiency Beyond 20%
MC68	Shazia Nabi	Template assisted directional growth of Cu MOF over heteroatom doped graphene as highly efficient and promising strategy in designing MOF based Electrosensors
MC69	Nilanjana Nandi	N-Doped Carbon Dots for Visual Recognition of 4-Nitroaniline and Use in Fluorescent Inks
MC70	Kangkan Jyoti Goswami	Reduced graphene quantum dot based versatile platform for L-dopa sensing: Fluorescence turn-on, filter paper, and air-stable flexible electronic devices
MC71	Debashree Roy	Controlling the Aspect Ratios of Au Nanocrystals in Seed-Mediated Synthesis: Why Addition Time of AgNO ₃ Matters?
MC72	Ranjit Mishra	Synthesis of sulfur-doped porous carbon for supercapacitor and gas adsorption applications
MC73	Jayoti Roy	Gas Phase Ion Chemistry of Titanium-Oxofullerene With Ligated Solvents
MC74	Manzoor Ahmad Pandit	Template free-synthesis of cobalt-iron chalcogenides [Co _{0.8} Fe _{0.2} L ₂ , L = S, Se] and their Robust Bifunctional Electrocatalysis for Water Splitting Reaction and Cr(VI) Reduction
MC75	Athma E P	Prudent electrochemical pretreatment to promote OER by catalytically inert "Iron incorporated metallic Ni nanowires
MC76	Khaled Alkanad	CO ₂ Reduction Selectivity by Constricting a Switchable Charge Transfer Bi ₂ S ₃ /TiO ₂ /MoS ₂ Photocatalyst
MC77	Surishi Vashishth	Single step strategy for crafting tin/carbon soot composite as highly stable Li-ion battery anode
MC78	Suchi Smita Biswas	Facts or artifacts: Pitfalls in quantifying sub-ppm levels of ammonia produced from electrochemical nitrogen reduction

MC79	Amala Joy	MICROWAVE ASSISTED SYNTHESIS OF S, N AND C DOPED ZnO NANOPARTICLES AND THEIR EXCEPTIONAL PHOTOCATALYTIC PERFORMANCE UNDER SOLAR LIGHT ILLUMINATIONS
MC80	KRISHNAVENI M	Catalytic conversion of waste cooking oil into biodiesel over a mesoporous solid acid catalyst
MC81	Pradyut Roy	Electrostatically Driven Förster Resonance Energy Transfer in an All–Quantum Dot Based Donor–Acceptor System