

LIST OF SELECTED ABSTRACTS FOR PRESENTATION

Subject: CHEMICAL SCIENCE

Sl. No	Full Name	Category	Title of Presentation	Mode of Presentation	Participation Number
1	Dr Wilbee D S	Researcher (CMNPF)	Identification and modification of RNA Dependent RNA Polymerase (RDRP) Allosteric Inhibitors of SARS CoV2 based on Drug Repurposing Strategy using Well Tempered Metadynamic Simulations.	Oral Presentation	NC00539
2	Dr. Saisree S	Researcher (CMNPF)	An integrated electrode system for printed electrochemical multiple analytes sensors for the real-time monitoring of carcinogens in foods	Oral Presentation	NC00127
3	Dr. Vijayasree Haridas	Researcher (CMNPF)	Development of Low-Cost, Eco-Friendly Graphite Exfoliation Routes for High-Energy Density, Less-Defective Graphene-Based High-Power Density Supercapacitor Devices	Oral Presentation	NC00068
4	Dr. Vineetha PK	Researcher (CMNPF)	Ladder-like Conjugated Polymers with Substituent-Driven π - π^* Interactions as Hole-Transporting Materials for Perovskite Solar Cells	Oral Presentation	NC00142

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5	Dr. Anas S.	Researcher (Kairali)	Developing Novel Reusable Heterogeneous Iron Catalysts for Sustainable Chemical Processes	Oral Presentation	NC00357
6	Meera Kattoor	Researcher	Electron Upconversion Enables C–P and C–S Bond Formation Under Mild Oxidative Conditions: A Theoretical Study	Oral Presentation	NC00273
7	Renjith Thomas, Sneha Anna Sunny, Alen Binu Abraham	Researcher	Role of Sulfur-Centered Hydrogen Bonds in the Supramolecular Stabilization of Mercaptobenzoic Acid Isomers: A Computational Study	Oral Presentation	
8	Saji Alex, Goweri M	Researcher	Fluorescent Glucose Sensor Based on Gold Nanoclusters Confined within Posous Silica Partcles	Oral Presentation	
9	Asha K Eapen	Student	Advancements in Coumarin-Based Sensors for Cyanide Detection	Oral Presentation	NC00717
10	Gopika S	Student	Synthesis of Tannic Acid- Stabilized Fluorescent Gold Nanoclusters: Application as Turn-on Sensing of Creatinine	Oral Presentation	NC00162
11	Tessa Mathew	Student	Investigating the Electrochemical Properties of α -Cobalt hydroxide, and its Composites with PANI	Oral Presentation	NC00502

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			and CNTs for Supercapacitor Electrode Applications		
12	Ayona K Jose, Mohammed Fawaz, Ajayan Vinu, D Sajan, Nithinraj Panangattu Dharmarajan	Researcher	S-C3N5/C3N5 Heterostructure for Efficient Photocatalytic Hydrogen Evolution Reaction	Poster Presentation	
13	Malavika K.G, Saji Alex	Researcher	Aggregation-Induced Emission Enhancement in a - Tomatine for sensing of Cholesterol	Poster Presentation	
14	D Sajan, Ajayan Vinu, Rohan Bahadur, P.A. Aleena		Heteroatom doped Porous Carbon with Hhigh Surface Area and Tunable Nitrogen Content for Li-ion Batter and Supercapacitor	Poster Presentation	
15	Jibi Kunjumon, Gurwinder Singh, D Sajan, Ajayan Vinu		(Scope 13: Energy Storage and Conversion) High surface area porous carbon derived from waste hardwood for CO2 capture and supercapacitors	Poster Presentation	
16	Akhila Mohan	Researcher	Synthesis and characterization of nano composites of bimetallic MOFs with Fe3O4NPs	Poster Presentation	NC00339
17	Archana Vijayakumar	Researcher	Visible-Light-Driven Organophotoredox Catalyzed Sulfonylation Reaction: A	Poster Presentation	NC00119

Sl. No	Full Name	Category	Title of Presentation	Mode of Presentation	Participation Number
			Sustainable Approach towards the Synthesis of Medicinally Pertinent Molecules		
18	Arun John	Researcher	Engineering of N-Doped Carbon Dots as a One-Drop Smart Nanomaterial as Real-Time Dual-Mode pH Sensor for Industrial and Biomedical Applications	Poster Presentation	NC00308
19	Gopika S	Researcher	DEVELOPMENT OF A FLUORESCENCE-BASED NON-ENZYMATIC CHOLESTEROL SENSOR UTILIZING TYROSINE GOLD NANOCUSTER	Poster Presentation	NC00720
20	MICHAL BABU	Researcher	Synthesis and Characterisation of Nanocomposites of Copper Oxide nanoparticles with Metal Organic Framework of transition metals.	Poster Presentation	NC00342
21	VIDHYA K V, Simi Pushpan K	Researcher	A Green and Scalable Aqueous Strategy for the Scramble-Free Synthesis of Unhindered meso-Aryl trans-A₂B₂ Porphyrins.	Poster Presentation	NC00563
22	YAMUNA PURUSHOTHAM AN	Researcher	SYNTHESIS AND CHARACTERIZATION OF SALICYLALDEHYDE BASED SCHIFF BASES, CHROMOGENIC CHEMOSENSOR FOR	Poster Presentation	NC00161

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			RAPID DETECTION OF Cu ²⁺		
23	Dr. Sheeba Alexander	Teacher	Synthesis and Characterization of Ethylene Glycol Modified Molecular Imprinted Polymer sensor for Electrochemical Detection of Tryptophan	Poster Presentation	NC00716
24	Dr. Newly Joseph	Teacher	Weldline behavior of HDPE/COIR FIBRE/nanoclay hybrid composites	Poster Presentation	NC00669
25	Arsha P Mohan	Researcher	Design and Characterization of La (III), Eu(III) and Th (III) Complexes as "Turn-On" Fluorescence Probes for Selective Detection of Uric Acid	Poster Presentation	
26	Jithu Joseph, Mary Gladis J	Researcher	Development of durable Zn-ion Hybrid capacitors through optimized electrode-electrolyte Synergy	Poster Presentation	
27	Gigi George	Teacher	Value-Added Natural Rubber Composites with Rapid Curing and Enhanced Functional Performance	Poster Presentation	
28	Anshida Mayeen, Mohan Jacob, Honey John		Engineered Piezoelectric/Troboelectric Biocompatible Materials for Biomedical, Energy	Poster Presentation	

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			Harvesting and Sensing Applications.		
29	Aparna Kallingal, Shalini Viswanathan		Chemistry on the fly:Visible - light-driven g-C3N4/SnO2 Janus micromotors for nonylphenol degradation	Poster Presentation	
30	Meenukutty M.S		Experimental and in Silico assessment of (Z)-N-(3-Ethoxy-2-Hydroxybenzylidene) Benzohydrazide for Antitubercular Applications	Poster Presentation	
31	N Gomathi, Atul Chitra KR		MOF based adsorbents for CO2 Mitigation and Dye removal from wastewater.	Poster Presentation	
32	Resham R, Jiju KR		ZIF-90-Based Targeted Nanocarrier for PH-Triggered Curcumin Release in Breast Cancer Therapy	Poster Presentation	
33	Sheik Muhammadhu Aboobakar Shibli, Sreekumar Kurungol, Priyanka Pandinhare Puthiyaveetil, Sarika Sasidharan		Regulating Vanadium Dissolution via Synergistic Pre-Intercalation and Architectural Tuning for Rechargeable Aqueous Zinc-Ion Batteries	Poster Presentation	

