

**POSTER PRESENTATION**  
**18<sup>th</sup> January, 2023 (Wednesday)**  
**Session I (02:45 PM – 04:30 PM)**

PP – 01	<b>Snigdha Srabane</b> , BARC, Mumbai Title: Adsorption of Selenium oxyanions at Goethite – water interface: Role of interfacial water
PP – 02	<b>Ashis Mathuri</b> , NISER Bhubaneswar Title: Controlling Reactivity of Alkynes for C-X(S, O, Cl) Bond Formations
PP – 03	<b>Akhilesh C. Joshi</b> , BARC, Mumbai Title: A Study of Bismuth Sulfide/Oxide Composites as High-Performance Anode Material for Lithium-ion Batteries
PP – 04	<b>Debabrata Chakraborty</b> , NISER Bhubaneswar Title: Surface Modification of CsPbX <sub>3</sub> (X = Cl and Br) Perovskite Nanocrystals by Treatment with Imidazolium-Based Ionic Liquids to Enhancing the Stability and Photoluminescence Quantum Yield
PP – 05	<b>Akhilesh K. Sharma</b> , BARC, Mumbai Title: Comparative study of radiopeptides, <sup>177</sup> Lu-DOTA-A9 and <sup>177</sup> Lu- DOTA-PEG4-A9 targeting HER2-receptors in breast cancers
PP – 06	<b>Debopam Acharjee</b> , NISER Bhubaneswar Title: Dramatic Retardation of Carrier Cooling Rate in a Twelve Faceted Polyhedron Perovskite Nanocrystals: An Unconventional Observation
PP – 07	<b>Arpita Nandy</b> , SINP, Kolkata Title: Fabrication of Bimetallic Multilayered Nanocomposite (((Au@Ag)@Au)@Ag)@Au" as a dual Electrocatalyst: Applications toward Ethanol Oxidation Reaction and Oxygen Reduction Reaction
PP – 08	<b>Kiran D. Tulsian</b> , NISER Bhubaneswar Title: Structural Dynamics of RNA in the Presence of Choline Amino-Acid-Based Ionic Liquid
PP – 09	<b>Ayantika Sen</b> , BARC, Mumbai Title: Photophysical Properties of Dyes and Their Application in Sensing Amyloid Fibrils
PP – 10	<b>Manisha Sadangi</b> , NISER Bhubaneswar Title: Prussian blue analogue (PBA) derived cobalt-ruthenium nano-alloy: an efficient catalyst for hydrogen evolution reaction (HER)
	<b>Sourav Mondal</b> , SINP Kolkata

PP – 11	Title: Electrocatalytic activity of controlled aggregated network of Au-Ag alloy Nanoparticle for oxygen reduction in alkaline medium
PP – 12	<b>Priyanka Ghosh</b> , NISER Bhubaneswar Title: Solvent dependent Structural changes in a cryptophane: Transformation in Solid State
PP – 13	<b>Naman K. Bharti</b> , BARC, Mumbai Title: Improvement of Photoactivity of Co-doped TiO <sub>2</sub> for CO <sub>2</sub> Conversion and H <sub>2</sub> Generation
PP - 14	<b>Prajnashree Panda</b> , NISER Bhubaneswar Title: In-situ Nano-engineering of Amorphous MoS <sub>2</sub> Nanosheets with Carbon Dots for enhanced Supercapacitor performances
PP – 15	<b>Naveen Kumar</b> , BARC, Mumbai Title: Enhancing the tumor uptake of a <sup>177</sup> Lu-labeled-unsymmetrically substituted porphyrin derivative by conjugating with nuclear localization signal (NLS) sequence: a systemic <i>in-vitro</i> and <i>in-vivo</i> evaluation
PP – 16	<b>R. Vijaya Sankar</b> , NISER Bhubaneswar Title: Catalytic Formal Conjugate Addition: Direct Synthesis of $\delta$ -Hydroxynitriles from Nitriles and Allylic Alcohols
PP – 17	<b>Reshmi Thekke Parayil</b> , BARC, Mumbai Title: Tuning Defects in Spinel Through B site modulation and their implication on EPR and Light Emission
PP – 18	<b>Rajata K. Sahoo</b> , NISER Bhubaneswar Title: Low Oxidation State Zinc-Zinc(I) Bonded Complexes and Zinc(II) Hydride: Synthesis, Catalytic Application, and Mechanistic Insights
PP – 19	<b>Annu Balhara</b> , BARC, Mumbai Title: Remarkable Enhancement in UV-C and Visible Upconversion in ZnAl <sub>2</sub> O <sub>4</sub> :Ho <sup>3+</sup> , Yb <sup>3+</sup> through Na <sup>+</sup> Co-Doping
PP – 20	<b>Ratnakar Saha</b> , NISER, Bhubaneswar Title: Efficient $\alpha$ -Alkylation of Arylacetonitriles with Secondary Alcohols Catalyzed by a Phosphine-free Air-stable Iridium(III) Complex

PP – 21	<b>Nitin Gumber</b> , BARC, Mumbai Title: Design and Development of Metal Organic Frameworks for Heavy Metal Ion Adsorption
PP – 22	<b>Raghunath Singha</b> , NISER - Bhubaneswar Title: Selective Separation of Isomorphous Pair Using Pd <sub>4</sub> Water-Soluble Metal-Organic Cage
PP – 23	<b>Rajendra V. Singh</b> , BARC, Mumbai Title: Carbon Nitride Based Photocatalytic systems for H <sub>2</sub> Generation application
PP – 24	<b>Saista Afreen</b> , NISER Bhubaneswar Title: Cobalt(III)-catalyzed regioselective hydro-arylation of 1,6-diyne via weak-chelation assisted C-H bond activation
PP – 25	<b>Somnath Kar</b> , BARC Mumbai Title: Radiosynthesis of 1-{4-[4-(2-[ <sup>18</sup> F] Fluoroethoxy)-phenyl] Piperazine-1-yl} ethenone ([ <sup>18</sup> F] FE-PPZ) and evaluation of its potential in melanoma and glioma model