

Day 2: Friday, January 24, 2025

Poster Session II: 16:30-18:00

PC-35	FACET-SPECIFIC PHOTOLUMINESCENCE BLINKING IN PEROVSKITE NANOCRYSTALS <i>Mrinal Kanti Panda, Debopam Acharjee, Asit Baran Mahato, and Subhadip Ghosh</i>
PC-36	INTERACTION OF BIOGENIC SILVER NANOPARTICLES WITH BOVINE SERUM ALBUMIN <i>Madhumita Patar and N. S. Moyon</i>
PC-37	PHOTOLUMINESCENCE PROPERTIES OF 7-HYDROXYFLAVONE IN AQUEOUS MEDIUM: A FLUORESCENCE ENHANCEMENT STUDY <i>Nisha Fatma, Sanjay Pant, Nupur Pandey, Mohan Singh Mehata</i>
PC-38	UNDERSTANDING THE ANTIMICROBIAL ACTIVITY OF IONIC LIQUIDS THROUGH ORGANISATION AND DYNAMICS STUDY OF MODEL MEMBRANES <i>Liza Pradhan and Lipika Mirdha</i>
PC-39	DIMENSION-CONTROL CsPbBr ₃ PEROVSKITE SYNTHESIS BY TUNING Pb(II) COUNTER ANION AND THEIR APPLICATION IN ORGANIC PHOTOCHEMISTRY <i>Pravat Nayek, Anupam Manna and Prasenjit Mal</i>
PC-40	HIGHLY SENSITIVE AND COLORIMETRIC DETECTION OF MERCURY IONS IN WATER <i>R. Surya Sekhar Babu and Ravi Kumar Kanaparthi</i>
PC-41	FLUORESCEIN AS A PHOTOREMOVABLE PROTECTING GROUP: PROBING pH-DEPENDENT PHOTORELEASE AND APPLICATIONS <i>Subham Pal and N. D. Pradeep Singh</i>
PC-42	SURFACE-IMMOBILIZED SILVER NANOTRIANGLES FUNCTIONING AS PORTABLE SENSING PLATFORM FOR BIMODAL DETECTION OF MERCURY (II) IONS <i>Rajeev Kumar Shandilya and Aniruddha Paul</i>
PC-43	PHOTOPHYSICAL STUDIES OF PYRENE BASED FLUORESCENT BIOSENSOR INTO LIPOSOMES <i>H. Dhillshath Raihana and K. Swarnalatha</i>

PC-44	<p>FACET ENGINEERING FOR DECELERATED CARRIER COOLING IN POLYHEDRAL PEROVSKITE NANOCRYSTALS</p> <p><i><u>Debopam Acharjee</u>, Ayendrila Das, Mrinal Kanti Panda, Manas Barai, and Subhadip Ghosh</i></p>
PC-45	<p>HYGROSCOPIC BEHAVIOR OF MIXED INORGANIC $\text{NaNO}_3\text{-Mg}(\text{NO}_3)_2$ AEROSOLS</p> <p><i>Subhash Sarkar, <u>Subhamoy Saha</u> and P. Mathi</i></p>
PC-46	<p>CYSTINE-CORED DIPHENYLALANINE APPENDED PEPTIDE-BASED SELF-ASSEMBLED FLUORESCENT NANOSTRUCTURES DIRECT REDOX RESPONSIVE SITE-SPECIFIC CHEMOTHERAPEUTIC DRUG DELIVERY</p> <p><i><u>Suman Nayak</u>, Kiran Das, Subramaniam Sivagnanam, Shyamvarnan Baskar, Adele Stewart, Dinesh Kumar, Biswanath Maity, Priyadip Das</i></p>
PC-47	<p>EFFECT OF TRIETHYLAMINE ON THE FLUORESCENCE PROPERTIES OF 3-AMINOBENZOIC ACID</p> <p><i><u>Sanjay Pant</u>, Shahid Husain, Nisha Fatmaa, Nupur Pandeya, Mohan Singh Mehata</i></p>
PC-48	<p>OCTUPOLAR CYCLOTRIPHOSPHAZENE-CORED SELF-STANDING COVALENT ORGANIC FRAMEWORK MEMBRANES AS NONLINEAR OPTICAL MATERIALS: IMPACT OF LINKAGE TYPES AND MATERIAL FORMS</p> <p><i>Suresh Bommakanti, Satyapriya Nath, Rudrashish Panda, <u>Sankalpa N. Panda</u>, Ritwick Das, and Bishnu P. Biswal</i></p>
PC-49	<p>CHIRAL SELECTIVE SELF-ASSEMBLY OF NANOCELLULOSE CHIRAL C-DOT FILM SUPERIOR PLATFORM FOR CHIRAL SENSING</p> <p><i><u>Sapna Waghmare</u> and S. Mondal</i></p>
PC-50	<p>EXPLORING MOLECULAR CHIRALITY THROUGH VIBRATIONAL CIRCULAR DICHROISM (VCD): A NEW FRONTIER IN SPECTROSCOPY</p> <p><i><u>Saiprakash Rout</u> and Himansu Sekhar Biswal</i></p>
PC-51	<p>UNRAVELING LIPID DROPLET DYNAMICS DURING FERROPTOSIS USING A NOVEL D-A-D FLUORESCENT PROBE</p> <p><i><u>Shrishti P. Pandey</u>, Arkaprava Chowdhury and Anindya Datta</i></p>
PC-52	<p>SUSTAINABLE PHOTOCATALYSIS BY EARTH-ABUNDANT OUTER AND INNER TRANSITION METALS</p> <p><i><u>Ravi Kumar Venkatraman</u>, Deborin Ghosh, Theis I. Sølling, Andrew J. Orr-Ewing and Ahmed M. El-Zohry</i></p>
PC-53	<p>SYNTHESIS AND FUNCTIONALIZATION OF EXTENDED π CONJUGATED FLUORESCENT DYES FOR TARGETED ORGANELLE IMAGING</p> <p><i><u>Simran</u> and Sriram Kanvah</i></p>

PC-54	SOLVENT-DRIVEN PHOTOPHYSICS AND COMPUTATIONAL STUDY OF AN AMINOQUINOLINE DERIVATIVE <i>Nupur Pandey, Sanjay Pant, Nisha Fatma and M.S. Mehata</i>
PC-55	FLUORESCENT BASED HYDRAZIDE SCHIFF BASE FOR SELECTIVE DETECTION OF ANTIBIOTIC RESIDUES IN FOOD SAMPLES <i>P. Jeba Sagana and K. Swarnalatha</i>
PC-56	SARS CoV-2 FUSION PEPTIDE PROMOTES HEMIFUSION FORMATION IN ACHOLESTEROL-DEPENDENT FASHION <i>Priyanka Mahapatra, Smruti Mishra and HIRAK Chakraborty</i>
PC-57	SULFATION OF HYALURONIC ACID RECONFIGURES THE MECHANISTIC PATHWAY OF BONE MORPHOGENETIC PROTEIN-2 AGGREGATION <i>Priyanka Panigrahi, Devi Prasanna Behera, Suchismita Subadini, Harekrushna Sahoo</i>
PC-58	NAPHTHALIMIDE: A NOVEL ESPT-DRIVEN PHOTOREMOVABLE PROTECTING GROUP FOR CONTROLLED RELEASE OF ALCOHOLS <i>Suchhanda Biswas and N. D. Pradeep Singh</i>
PC-59	AGGREGATION INDUCED EMISSION ENHANCEMENT BASED FLUORESCENT PROBE FOR THE DETECTION OF HYPOCHLORITE ION <i>Abinaya Muthukumar and K.Swarnalatha</i>
PC-60	SYNTHESIS, CHARACTERIZATION AND PHOTOPHYSICAL STUDIES ON LEAD-FREE INDIUM DOPED SILVER-BISMUTH-BASED DOUBLE HALIDE PEROVSKITE NANOCRYSTALS <i>Sumit Kumar Pradhan and Moloy Sarkar</i>
PC-61	ARTIFICIAL LIGHT HARVESTING SYSTEM BASED ON CASCADE FRET IN DNA TEMPLATED MULTICHROMOPHORIC SUPRAMOLECULAR ASSEMBLIES <i>Supratim Koley, N. Barooah, J. Mohanty and A. C. Bhasikuttan</i>
PC-62	ELUCIDATING THE ROLE OF SOLVENT ON THERMALLY-ACTIVATED DELAYED FLUORESCENCE <i>Sushree Suhani Puhan and Palas Roy</i>
PC-63	THE ULTRAS-SMALL METAL NANOPARTICLES SUPPORTED ON N-DOPED CARBON FOR PHOTO-CATALYTIC DEGRADATION ORGANIC DYES AND NITROPHENOL REDUCTION <i>Supriya Panda, Biplab Kumar Manna and Sudip Barman</i>
PC-64	GAS-PHASE NUCLEOPHILIC ABSTRACTION OF HYDROGEN BY OZONE IN SATURATED HETEROCYCLES <i>Anmol Virmani, A. Saha, M. P. Walavalkar, A. Sharma, S. Sengupta and A. Kumar</i>

PC-65	<p>Mg²⁺-DOPING INDUCED MODULATION OF ULTRAFAST EXCITON DYNAMICS IN FAPbBr₃ NANOCRYSTALS</p> <p><i><u>Tapas Pal</u>, Prajit Kumar Singha, Ankit Kumar, Anindya Datta</i></p>
PC-66	<p>ULTRAFAST INSIGHTS FULL-COLOUR LIGHT-EMITTING C-DOTS TO REVEAL THE CORE AND SURFACE STATE HETEROGENEITY DURING ELECTRON TRANSFER</p> <p><i>Umarfaruk S. Sayyad and Somen Mondal</i></p>
PC-67	<p>PYRANO[3,2-C] CHROMENE BASED SENSOR FOR DETECTION OF MICROBIAL AND HUMAN CONTAMINATION IN ENVIRONMENTAL SAMPLES</p> <p><i><u>Vidhyashree M</u> and John Prakash</i></p>
PC-68	<p>CHARGE CARRIERS DYNAMICS IN CsPbBr₃-PbSe EPITAXIAL NANOCRYSTAL HETEROSTRUCTURES</p> <p><i><u>Rakesh Kumar Behera</u> and Hirendra Nath Ghosh</i></p>
PC-69	<p>SYNTHESIS OF 4-AMINOPHTHALIMIDE (4-AP) DERIVATIVES AND ITS PHOTOPHYSICAL PROPERTIES</p> <p><i><u>Subiksha Asokan</u>, Arulmozhi Puhazhendi, Pavan Kumar Mandali and Soumya Sivalingam</i></p>
PC-70	<p>SYNTHESIS AND CHARACTERIZATION OF TYROSINE STABILIZED SILVER NANOCCLUSERS AND ITS ANTICANCER ACTIVITY</p> <p><i><u>Apeksha Jagdale</u>, Geeta K. Sharma, Santosh Terdale, Smriti Mittal, Ganesh Bose and Beena G. Singh</i></p>
PC-71	<p>EFFICIENCY OF ENCAPSULATION OF THIOFLAVIN T (ThT) INTO DIFFERENT BILE SALT AGGREGATES: A FEMTOSECOND FLUORESCENCE STUDY</p> <p><i><u>Ritwik Hazra</u> and N. Sarkar</i></p>
PC-72	<p>PHOTOCATALYTIC REACTION OF L-TYROSINE IN THE PRESENCE OF COLLOIDAL CdS</p> <p><i><u>Pratigya Rizal</u> and Devendra P. S. Negi</i></p>
PC-73	<p>STUDIES OF PHOTOPHYSICAL BEHAVIOR OF FLUORESCENT CATIONIC DYE IN CUBOSOMES: THEIR USE IN SENSING APPLICATIONS</p> <p><i><u>Kedar R.Khaparkhuntikar</u>, A. Chatterjee, and M. Banerjee</i></p>
PC-74	<p>DESIGNING OF FOUR SYSTEM FRET SERIES& ITS APPLICATIONS</p> <p><i><u>Jaiyanth Somasundaram</u> and John Prakash</i></p>
PC-75	<p>DESIGN AND APPLICATION OF FLUORESCENT PURINE PROBE FOR ER IMAGING AND STRESS MONITORING</p> <p><i><u>Gayatri Bhattad</u>, Anant Kapdi and Sriram Kanvah</i></p>

PC-76	ULTRAFAST ENERGY TRANSFER AND ELECTRON TRANSFER DYNAMICS IN TETRARYLPYRROLO[3,2- <i>b</i>] PYRROLE-BODIPY DYADS <i>Bipasha Dehariya, Richa Agrawal, Soumyaditya Mula and <u>Rajib Ghosh</u></i>
PC-77	ULTRAFAST ANTI-AROMATICITY RELAXATION DYNAMICS IN p-DIACETYLPHENYLENEDIAMINE - A SMALLEST RED LIGHT EMITTER <i><u>Ankita Mutsuddi</u>, Aruna K. Mora, Mrunesh Koli, Soumyaditya Mula and Sukhendu Nath</i>