



First In-House Symposium

Venue: Physics Department

Date: 25/03/2023

Poster Session - List of Participants

Poster No.	Presenter	Title
P1	Ms. Anju Rajan	Computational Modeling of Janus SnSSe as a material for NO, NO ₂ and NH ₃ gas sensing.
P2	Ms. Ansha S Nair	Batalin-Fradkin-Vilkovisky quantization of Christ-Lee model
P3	Mr. Jain Jacob P T	Radiative transfer equation & Applications
P4	Ms. Athulya K S	Band-edge induced nonlinear absorptive dynamics of platinum nanocluster doped photonic crystal structure
P5	Mr. Sachin Raj Kapoor Kanaujiya	Use of Image Processing in Solar Astrophysics
P6	Ms. Ragisha C M	Light-Controlled Assembly of Binary Colloids from an Evaporating Sessile Droplet

P7	Mr. Nikhil P P	Plasmonic-Photonic Interactions in Polymer Microcavities for Enhanced Excited State Absorption in Cobalt Phthalocyanine-Gold Nanocomposites
P8	Mr. Adarsh S	Role of Weak Measurements in Quantum to Classical Transition
P9	Ms. Harsha Haridas E S	Bioinspired 5-caffeoylquinic acid capped silver nanoparticles using <i>Coffea arabica</i> leaf extract for high-sensitive cysteine detection
P10	Mr. Jaismon Francis	The comparison of the nonlinear optical response of Poly(vinylidene fluoride) (PVDF)/reduced graphene oxide (RGO) and PVDF/graphene oxide (GO) nanocomposites
P11	Mr. Abhijith K Reju	Nearly Perfect Cross- and Circular-Polarization Conversion Using Ultra-Thin Bi-layered Chiral Metamaterial at Microwave Frequencies
	Adithya Danaj	
	Mr. Akshay S Nair	
P12	Mr. Gokul S	Beating the Optical Resolution Limit with Negative Refractive Index Material: Numerical Demonstration of Sub-Wavelength Focusing by a Negative Index Slab
	Ms. Sneha Mary Baiju	
	Ms. P. Sandra	

P13	Ms. Sidfa C	Study and future projection of aerosol parameters using observational data and climate models
P14	Ms. Salma Jose	Advanced Spectroscopic Instrumentation for Atmospheric and Climate Monitoring