

ATOMIC MOLECULAR PHYSICS & SPECTROSCOPY

Sl. No.	Name	Title	Mode (Oral/Poster)	Online/Offline
1	Jyotshna Saikia	DFT calculations, spectroscopic investigations, and molecular docking study of Methylprednisolone with some selective cancer proteins	Oral	Offline
2	Barlin Das	Chemical characterization of airborne particulate matter over Dibrugarh using Scanning Electron Microscopy with Energy-Dispersive X-Ray Spectroscopy	Poster	Online
3	Manisha Phukan	Detergent and their impacts on water bodies	Oral	Online
4	Francis Iawphniaw	The role of asymmetry on Stochastic Resonance in periodic potential system	Poster	Online
5	Angom Laxmi Devi	Ultracold quantum gases in disorder optical lattice	Poster	Offline
6	Manish Debbarma	A comparative DFT study of the impact of anionic variations on the thermoelectric properties of $Hg_{0.50}Be_{0.50}Y$ ($Y = S, Se, Te$).	Poster	Online
7	Neelam Chetry	Vibrational and computational study on the characterization of Ag-Threonine complex.	Oral	Online
8	Swarnadeep Biswas	Theoretical study to investigate the antioxidant property of Curcumin as a scavenger of $CH_3\bullet$ radical	Oral	Offline
9	Chiging Sonia	Quantum chemical analysis and spectroscopic characterization of Escitalopram	Oral	Offline
10	Shiva H B	Luminescence Properties of Anhydrous Polyhalite $K_2Ca_2Mg(SO_4)_4$ Nanomaterial Prepared by Centrifuge Synthesis Method	Poster	Online
11	Th. Basanta Singh	Glow Curve Deconvolution (GCD) of thermoluminescence (TL) data: Remedies for deficiencies	Oral	Offline
12	Bhumika Thoudam	Quantum phases of two-component dipolar bosonic mixtures in optical lattices.	Poster	Offline

ATOMIC MOLECULAR PHYSICS & SPECTROSCOPY

13	Kohenjit Pebam	Quantum phases of bosons in optical lattices with disorder and long range interactions	Poster	Offline
14	Bedanta Kumar Dekka	Theoretical study of pure and transition metal (Cu, Fe, Ni and Co) doped Ga ₁₂ N ₁₂ nanocages using first principle method	Poster	Online
15	Sayantika Chanda	A DFT based study of optoelectronic properties of cubic Cd _{1-x-y} Zn _x Hg _y Te triangular quaternary alloys and their possible applications for making optical devices.	Poster	Online
16	Mahananda Baro	Numerical simulation of lead-free FASnI ₃ -based perovskite solar cell for high-efficiency	Oral	Online
17	Parijat Borgohain ^a	Performance optimization of CH ₃ NH ₃ PbI ₃ -based perovskite solar cell using SCAPS-1D simulation	Poster	Online
18	Ningthoujam Bidyapani Chanu	DFT study of molecular interaction between Menthol and Myristic Acid	Poster	Offline
19	Dimishree Neog	Evolution of a Gaussian pulse in negative index Kerr medium about threshold intensity: A numerical simulation	Oral	Offline
20	Pukhrambam Suraj Singh, Lamthaka Willingson	Intermolecular interaction study of Favipiravir with Adenine and Uracil using DFT method	Poster	Offline
21	Pradeep Kumar Shukla	Understanding molecular mechanisms of action of Os(III)-drug Os-KP418 using DFT calculations	Oral	Online
22	Jackson Pame	Ordering and Dynamic in 2D Fluids: A Molecular Dynamics Simulation Study	Oral	Offline
23	Purbajyoti Bhagowati	A first-principles study of titanium nitride small nanoclusters	Oral	Online

ATOMIC MOLECULAR PHYSICS & SPECTROSCOPY

24	Bipradip Chakraborty	Electronic and optical properties of SnS/WS ₂ and SnS/MoS ₂ heterostructure: A DFT and MD study	Oral	Offline
25	Dhrubanka Sarma	First-principles study of helium interstitial in BCC CuZr	Poster	Online