

One day Physical Chemistry Seminar on 30th June, 2017

Time

Speaker

- 10:30 - 11:05 am **Dr. Debashree Ghosh**
Title: Hybrid Quantum Mechanical / Effective Fragment Potential Methods : Towards Accurate Solvatochromic Shifts in Biological Medium
- 11:10 - 11:30 am **Mr. Deb Pratim Mukhopadhyay** (Supervisor: Prof. Tapas Chakraborty)
Title: Laser induced fluorescence spectroscopy and excited state dynamics of hydrogen bonded complexes of p-fluorophenol under supersonic jet expansion
- 11:35 - 11:50 am **Tea Break**
- 11:50 am - 12:05 pm **Mr. Sk. Jahiruddin** (Supervisor: Dr. Ayan Datta)
Title: An Anti-thesis of the Watson and Crick Theory for Stability of DNA: The Strange case of Non-hydrogen bonded Synthetic Base-Pairs
- 12:10 - 12:25 pm **Mr. Biswajit Biswas** (Supervisor: Dr. Prashant Chandra Singh)
Title: Insight into the Protein unfolding induced by chemical denaturation
- 12:30 - 12:50 pm **Mr. Gaurab Ganguly** (Supervisor: Dr. Ankan Paul)
Title: Exploring New Avenues For Energy Storage Through Topical Theoretical Investigations
- 01:00 - 02:30 pm **Break**
- 02:30 - 03:05 pm **Dr. Biman Jana**
Title: Function and folding of antifreeze proteins: A story of remarkable hydration
- 03:10 - 03:25 pm **Ms. Shyamolina Ghosh** (Supervisor: Prof. Deb Shankar Ray)
Title: Parametric Chemical Oscillation
- 03:30 - 03:50 pm **Mr. Aporajeyo Chattopadhyay** (Supervisor: Prof. Tapas Chakraborty)
Title: Photo-oxidation and Reaction Kinetics of Selected Atmospherically Significant Organic Species in the Gas Phase Probed by Steady State and Time Resolved Infrared Spectroscopy
- 03:55 - 04:10 pm **Tea Break**
- 04:10 - 04:25 pm **Mr. Joy Dutta** (Supervisor: Prof. Satrajit Adhikari)
Title: The Role of Dynamic Jahn-Teller Effect: Phase Transition of Orthorhombic Rare-Earth Manganites Around Neel Temperature.
- 04:30 - 04:50 pm **Mr. Arijit Ghosh.** (Supervisor: Dr. Benu Brata Das)
Title: Mitochondrial dysfunction causes neurodegeneration.

All are cordially invited to attend the seminar.