



"FUTURE OF CHEMISTRY"

SYMPOSIUM SERIES

7th Symposium – 13th January 2022

(3.00 TO 7.30 PM IST ON ZOOM PLATFORM)

Program

3:00 to 3:10 pm	Welcome Remarks by Prof. Sudipta Maiti (Chair, DCS)
3:10 to 3:40 pm	T1-Dr. Rumpa Pal (University of Tsukuba, Japan) <i>π-hole Bonding in a New Co-crystal Hydrate of Gallic Acid and Pyrazine: Static and Dynamic Charge Density Analysis</i>
3:40 to 4:10 pm	T2- Dr. Viduth Chaugule (University of Glasgow, UK) <i>Specificity and versatility in Ubiquitination</i>
4:10 to 4:40 pm	T3- Dr. Sachin R Rondiya (Imperial College, London, UK) <i>Earth-Abundant Semiconductor Materials for Photovoltaics: Fundamental Insights and Future Opportunities</i>
4:40 to 5:10 pm	T4- Dr. Diptesh Dey (University College London, UK) <i>Simulating Photoexcitation With a Laser Pulse Beyond The Perturbative Limit</i>
5:10 to 5:30 pm	<i>SHORT BREAK (Interaction of speakers with students)</i>
5:30 to 6:00 pm	T5- Dr. Deepanshu Chaudhary (Regeneron Pharmaceuticals, Inc., NY, USA) <i>Structural and Biophysical Insights into the Inner-Ear Tip-Link Complex Formation and the Molecular Mechanisms of Deafness</i>
6:00 to 6:30 pm	T6- Dr. Ajay S. Kandada (Wake Forest University, NC, USA) <i>Photophysical Characterization of Optical Excitations in Ruddlesden-Popper Metal Halides via Coherent Nonlinear Spectroscopy</i>
6:30 to 7:00 pm	T7- Dr. Ketaki Belsare (University of California, San Francisco) <i>Design and Engineering of Natural and Artificial Biocatalyst using Directed Evolution and De novo Design Approaches for Sustainable Chemistry</i>
7:00 to 7:30 pm	T8- Dr. Varun Rishi (Sandia National Lab, CA, USA) <i>Opportunities at the Intersection of Quantum Chemistry with High Performance Computing, Machine Learning and Quantum Computing</i>
7:30 to 7:35 pm	Concluding Remarks by Chair

Join Zoom Meeting

<https://zoom.us/j/99748305916?pwd=Y0k2Z3NDNEYyeXpvN2tHTHFobndkZz09>

Meeting ID: 997 4830 5916

Passcode: 469278

