



# "FUTURE OF CHEMISTRY"

## SYMPOSIUM SERIES

### 12<sup>th</sup> Symposium – 31<sup>st</sup> MARCH 2023

(2.00 TO 7.05 PM IST ON ZOOM PLATFORM)



#### Program

2:00 to 2:10 pm	Welcome Remarks by Prof. Sudipta Maiti (Chair, DCS)
2:10 to 2:40 pm	<b>T1- Dr. Subhajit Roychowdhury (Max Planck, Dresden, Germany)</b> Thermoelectric materials for "Waste Heat" to "Electrical Energy" Conversion
2:40 to 3:00 pm	<b>T2- Dr. Shibaji Basak (Sikkim University, India)</b> Emerging fuel driven Protocells
3:10 to 3:30 pm	<b>T3- Dr. Saurabh Awasthi (Adolphe Merkle Institute, Switzerland)</b> Single Particle Level 5D-Fingerprinting of Protein Aggregation
3:40 to 4 pm	<b>T4- Dr. Deb Pratim Mukhopadhyay (Synchrotron SOLEIL, France)</b> Photodissociation of chlorine-containing volatile organic compounds (VOCs) and free radicals in isolated condition: A 2D Photofragment imaging study
4:10 to 4:30 pm	<b>T5- Dr. Amrita Das (Technische Universität Chemnitz, Germany)</b> Functionalization of Biologically Interesting Compounds and Its Application in Flow
4:40 to 5:00 pm	<i>SHORT BREAK (Interaction of speakers with students)</i>
5:00 to 5:20 pm	<b>T6- Dr. Adarsh Vasista (ETH Zürich, Switzerland)</b> Label-free 3D nano(micro) thermometry: what, why, and how?
5:30 to 5:50 pm	<b>T7- Dr. Aarat P. Kalra (Princeton University, USA)</b> All Wired Up: Electronic Energy Migration in Microtubules
6:00 to 6:20 pm	<b>T8- Dr. Somnath Mondal (Pennsylvania State University, USA)</b> Investigation of RNA binding by the eIF4B translation initiation factor, and dynamics studies of proteins by the extensive utility of NMR Spectroscopy
6:30 to 6:50 pm	<b>T8- Dr. Somnath Biswas (Princeton University, USA)</b> Observing Electron and Nuclear Motions in Energy Harvesting Materials Using Ultrafast Spectroscopy
7:00 to 7:05 pm	Concluding Remarks by Chair

Join Zoom Meeting

<https://tifr-res-in.zoom.us/j/94597183339?pwd=SWZPSDI Ga2wyb3VnWVJPUTRhK2Jadz09>

Meeting ID: 945 9718 3339

Passcode: 266933