



Prof. Sourav Pal
Ashoka Univ. Delhi



Prof. Stephanie Wunder
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Prof. Akshay Rao
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Prof. J. N. Moorthy
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Prof. Eric Borguet
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Prof. C. Malla Reddy
IISER, Kolkata



Prof. R. Banerjee
IISER, Kolkata



Prof. Subi George
JNCASR, Bangalore



Prof. R. Boomishankar
IISER, Pune



Prof. Chandrasekhar
Univ. of Hyderabad



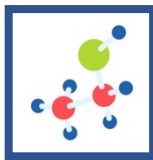
Prof. A. Venkatanathan
IISER, Pune



Prof. Satish Ogale
IISER, Pune



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Registration and Abstract
Submission Open

International (ONLINE) Conference on Molecularly Designed Functional Materials 2023

September 28-30, 2023



Plenary Talks

Sourav Pal (Ashoka U): Computational design of catalysts for bond activation.

Stephanie Wunder (Temple U): New solid electrolytes for next-generation batteries: Organic cocrystals with molecular channels for cation migration

Akshay Rao (Cambridge U): Decoupling excitons from high-frequency vibrations in organic molecules

J. N. Moorthy (IISER, TVM): Molecules to Materials: Photochromic Materials, Functional MOFs and Catalytic POPs

Eric Borguet (Temple U): Molecular Interactions with Nanoporous Materials

R. Chadrasekhar (U of Hyderabad): Crystal Photonics Foundry - Production of Industrially Relevant Molecular-Crystal Photonic Components and Circuits

C. Malla Reddy (IISER, Kolkata): Crystal Engineering of Adaptive Smart Materials

Rahul Banerjee (IISER, Kolkata): Porous Frameworks and Reticular Nano-Synthesis

Subi George (JNCASR, Bangalore): Supramolecular Synthesis of Organic Heterostructures

R. Boomishankar (IISER, Pune): Ferroelectric materials derived from amino-P(V) cations and their applications as piezoelectric nanogenerators

Arun Venkatanathan (IISER, Pune): Computer simulations on structure and ion transport in battery electrolytes

Satish Ogale (IISER, Pune): Molecular Engineering and Dimensionality in Organic-Inorganic Hybrid Perovskites

Invited Talks

Deepa Khushlani (TIFR): Viable Route to Truly Green Hydrogen: Sea Water Photocatalysis

Sreetosh Goswami (IISc, Bangalore): Can molecules take AI to the edge?

Moumita Majumdar (IISER, Pune): Introducing Small Molecules for Carbonization

Uttam Manna (IIT Guwahati): Design of Functional Coating Embedded with Bioinspired Liquid Wettability

Debangshu Chaudhuri: Solvents in Molecular Assembly: Shifting the Attention Away from the Molecule

Bidisa Das: Iron oxyhydroxide nanostructures in the environment: molecular modelling of their structure and reactivity

J. Sankar: NIR absorbing and Emitting Terrylene Diimides

Satyawan Nagane (Cambridge): Stabilized Tilted-Octahedra Halide Perovskites Inhibit Local Formation of Performance-Limiting Phases.

Soumen Sensarma: Laboratory to Market Journey for Additives for Polymer Processing



Prof. Deepa Khushlani
TIFR, Hyderabad



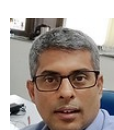
Dr. S. Goswami
IISc, Bangalore



Dr. Moumita Majumdar
IISER, Pune



Dr. Uttam Manna
IIT, Guwahati



Dr. D. Chaudhuri
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Dr. Bidisa Das
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Dr. M. Deepa
IIT, Hyderabad



Prof. Jeyaraman Sankar
IISER, Bhopal



Dr. Satyawan Nagane
Cambridge Univ. UK



Dr. S. Sensarma
TCG-LS, Kolkata

