

Ph.D Students' Chemical Science Slam

supported by



2nd December, 2020

Time: 17:00-21:00 hrs

Venue: The Framed Waterfalls

School of Chemistry

IISER Thiruvananthapuram



PROGRAMME SCHEDULE

Session I

- | | |
|---------------|--|
| 17:00 - 17:05 | Opening Remarks: Dr. Sukhendu Mandal
Head, School of Chemistry |
| 17:05 - 17:15 | Introduction to the Inaugural Speaker:
Prof. J. N. Moorthy
Director, IISER Thiruvananthapuram |
| 17:15 - 18:00 | Inaugural Talk: Dr. A Ajayaghosh
Director, CSIR-NIIST Thiruvananthapuram |
| 18:00 - 18:15 | RSC - Special Address: Mr. Ajit K. Sharma
General Manager - India, RSC |
| 18:15 - 18:30 | RSC - Supporting Chemical Sciences In India:
Mr. Ershad Abubacker
Assistant Editorial Development Manager - India, RSC |



Session II

Student Talks

Chairman: Prof. J. N. Moorthy

18:30 - 18:35 Ms. Deepti Sharma

"Switching Lewis Acidity Gears Between Antimony and Bismuth"

18:35 - 18:40 Ms. Amritha R.

"1,6-Conjugate Addition of Alkylazaarenes to para-Quinone Methides"

18:40 - 18:45 Ms. Swathi K.

"Supramolecular Chirality: A Caveat in Assigning the Handedness of Chiral Aggregates"

18:45 - 18:50 Mr. Sulfikarali Thondikkal

"Design, Synthesis and Properties of m-Phenylene Embedded Porphyrinoids"

18:50 - 18:55 Mr. Cijil Raju

"Topochemistry: An Attractive Method for Polymer Synthesis"

18:55 - 19:00 Ms. Lijina M. P.

"Exciton Isolation in Cross-Pentacene Architecture"

19:00 - 19:05 Ms. Arya Gopal

"Kinetic Insights into the Mechanism of Oxygen Reduction Reaction on Fe₂O₃ /C Composites"

19:05 - 19:10 Ms. Meera Johny

"Tethered oxocarbenium ion initiated oxirane opening reaction - conversion of 2,3-epoxy alcohols to fully protected triols"

19:10 - 19:15

Ms. Feba Thomas

"Nickel-Catalyzed Cross-Coupling of Alkyl Carboxylic Acid Derivatives with Pyridinium salts via C-N Bond Cleavage"

19:15 - 19:20

Mr. D. Perumal

"Disassembly Driven Approach for the Specific Detection of Thrombin Using ¹⁹F NMR in "OFF/ON" Response"

19:20 - 19:25

Ms. Shourya Gupta

"Mechanistic Insights into the Signalling Routes of NO and H₂S"

19:25 - 19:30

Ms. Sayani Mukherjee

"Defect Engineering on Ceria using [Au₁₁(PPh₃)₇I₃] for Mimicking Single-Atom Catalysis"

19:30 - 19:35

Ms. Chris John

"Swarm Intelligence Steers Global Minima Search of Clusters Bound on Carbon Nanostructures"

19:35 - 19:40

Ms. Shamna M.

"Preparation of HKUST-1@Nanocellulose Composite Membranes for Applications in Gas Separation"

19:40 - 19:45

Mr. Sai Vamsi Krishna Isukapalli

"Journey Through the Realm of Ultrafast Dynamics: Unravelling the Early Events upon Photoexcitation"

19:45 - 19:50

Ms. Dhanya S. R.

"Structural Basis for the Long-Term Memory in Mammals"

19:50 - 20:00

Concluding Remarks and Impressions: Prof. J. N. Moorthy

20:00 - 21:00

Dinner