

MRSI-ICEM 2025

Friday, December 19, 2025

Parallel session - III

Symposium- D (Venue-LH3)

Session Chair: Palok Aich, NISER Bhubaneswar

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|-------------------|-------------------|---|--|
| 2:30 PM - 2:55 PM | Invited Talk | IT-D05: Deepa Ghosh INST, IN | Biomaterials for tissue repair: Essential factors and engineering techniques |
| 2:55 PM - 3:20 PM | Invited Talk | CT-D04: Aarti Jaiswal IIT Kanpur, IN | Rapid detection of Punica granatum juice adulteration via Eco-friendly AgNPs synthesised from Zingiber officinale |
| 3:20 PM - 3:32 PM | Contributory Talk | CT-D05: Sourav Ghosal KIIT Uni, IN | Computational Insights into Rh/Ru-Based Catalysts for Thermo- and Electro-chemical CO2 Conversion into C1 Products |
| 3:33 PM - 3:45 PM | Contributory Talk | | |

3:45 PM - 4:10 PM Tea break (Venue - Library foyer)

Parallel session - III

G C Jain prize talk

Session Chair: Kulamani Parida

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|-------------------|-------------------|--|---|
| 4:10 PM - 4:35 PM | Invited Talk | GCJP-01: Ashok Kumar, IIT Jodhpur (Online Presentation) | Modified 2D MoS2 and SnS2 flakes for Sensing Applications |
| 4:35 PM - 5:00 PM | Invited Talk | GCJP-02: Neha Singh IIT, Kanpur | Inorganic-Organic Heterostructure Devices for Enhanced Electrical Conductivity and Magnetism |
| 5:00 PM - 5:12 PM | Contributory Talk | GCJP-03: Rishi Verma Germany (online presentation) | Investigating the Interplay between Hot Electrons, Electric Field, and Thermal Effects in Plasmonic Black Gold-Ni Photocatalyst |
| | | GCJP-04: Hari Narayanan Vasavan, Sweden (online presentation) | Next-Generation Sodium-Ion Batteries: Coupling Cathode Design with Operando Diagnostics |
| | | GCJP-05: Dalip Saini, IISER, Mohali (Online Presentation) | Design of Functional Materials for Multiscale Energy Harvesting and Sensing Applications |
| | | SP-01: Raj Saha KIIT, Bhubaneswar | Design and Development of Hybrid Memristor |
| | | SP-02: Radhika Sandip Patil Shivaji University, Kolhapur | Detection of Mycotoxin Using Electrochemical Biosensors |

5:50 PM - 7:00 PM Poster (**P:201- P:350**) + Tea (Venue: Library 3rd Floor)

7:00 PM - 8:00 PM Cultural Program (Venue: Auditorium)

7:30 PM- 9:30 PM Dinner

NOTES: Invited Talk (25 Mins) ; Contributory Talk(12 Mins) ; P: Poster