

## MRSI-ICEM 2025

**Saturday, December 20, 2025**

**Morning session I (Venue: Auditorium)**

**Session Chair- Dr. Manoranjan Kar, IIT Patna**

9:00 AM - 09:25 AM	<b>MRSI-Medal Lecture -10: Prof. Suresh Kumar Kailasa, Sardar Vallabhai, NIT, Surat, IN</b>	<b>Surface modified nanostructured materials: Promising applications in analytical chemistry</b>
9:25 AM - 09:50 AM	<b>MRSI-Medal Lecture-11: Dr. Debmalaya Roy, DMSRDE, Kanpur, IN</b>	<b>Stress-Induced Self-Organization of Nanostructures in Stretchable Matrices for Flexible Electronics.</b>
9:50 AM - 10:15 AM	<b>MRSI-Medal Lecture-12: Dr. Dillip K. Pradhan, NIT, Rourkela, IN</b>	<b>Structural Phase Transitions in Lead Free Ferroelectric Perovskite Oxides.</b>
10:15 AM - 10:40 AM	<b>MRSI-Medal Lecture-13: Prof. Ramesh L Gardas IIT Madras, Chennai, IN</b>	<b>Ionic Liquids and Deep Eutectic Solvents for Sustainable Sorption and Extraction Processes.</b>
10:40 AM - 11:15 AM	<b>Tea break (Venue - Library foyer)</b>	
	<b>Morning session II (Venue: Auditorium)</b>	
	<b>Session Chair - Prof. Tapobrata Som, IOP Bhubaneswar</b>	
11:15AM - 11:40 AM	<b>MRSI-Medal Lecture -14: Dr. Arijit Sengupta, BARC, Mumbai, IN</b>	<b>Ionic Liquid, Poly(Ionic Liquid) and Ionic Liquid Based Membranes: 'Green' Multi-Verse Materials For New Age Applications.</b>
11:40 AM - 12:05 PM	<b>MRSI-Medal Lecture -15: Prof. Rupesh S Devan, IIT, Indore, IN</b>	<b>Atomic-layered 2D MXenes: Materials driving innovation in sustainable development and clean energy solutions.</b>
12:05 PM - 12:30 PM	<b>MRSI-Medal Lecture -16: Dr. Sudip Chakraborty, HRI, Prayagraj, IN</b>	<b>Rashba and Excitonic Physics in Emerging Materials and Correlations with Light-Matter Interaction: A Computational Insight</b>
12:30 PM - 12:55 PM	<b>Invited Talk- B08: Dr. Manoranjan Kar, IIT-Patna, IN</b>	<b>Conducting Filler Stimulated Polymer Nanocomposite-Based Smart Flexible Nanogenerator for Multiple Applications</b>
12:55 PM - 02:30 PM	<b>Lunch (Venue - Library foyer)</b>	
	<b>ML- Medal Lecture (25mins) : IT- Invited Talk (25mins)</b>	