MANIPAL UNIVERSITY
JAIPUR

RAMSACT

5th International Conference on Recent Advances in Materials Science and Computational Techniques (RAMSACT-2025)

Schedule Day 1 (December 18, 2025)

Inaugural Ceremony (10:00 AM – 11:55 AM) Date: December 18, 2025		
Time	**Event**	**Speaker**
10:00 AM – 10:05 AM	Lamp Lighting	All the Dignitaries
10:05 AM – 10:10 AM	Welcome Address & Genesis of RAMSACT	Chair RAMSACT, Prof. Lalita Ledwani
10:10 AM – 10:20 AM	Address by Dean, FoSTA	Dean FoSTA, Prof. Kuldeep S Sangwan
10:20 AM – 10:30 AM	Presidential Address	President, MUJ- Prof. N. N. Sharma
10:30 AM – 10:35 AM	Introduction of the Chief Guest	Convener RAMSACT-Dr. Rashi Nathawat
10:35 AM – 11:05 AM	Address by the Chief Guest	Chief Guest- **Prof. V. Ramgopal Rao**, Group Vice Chancellor, BITS Pilani
11:05 AM-11:10 AM	Introduction of the Guest of Honor	Convener RAMSACT-Dr. Saurabh Shrivastava
11:10 AM– 11:40 AM	Plenary Lecture by the Guest of Honor	Guest of Honor: **Prof. Jainendra K Jain**, Wolf Awardee (Physics) 2025 Pennsylvania State University, USA
11:40 AM-11:45 AM	Vote of Thanks	Dr Rashi Nathawat
11:50 AM – 11:55 AM	Group Photo	

Tea Break (11:55 AM – 12:15 AM)

Session I (12:15 AM – 1:05 PM)

Session Chair: Prof. Ashima Bagaria/ Dr. K. P. Misra Co-Chair: Manipal University jaipur	
Session Coordinator	Dr. Kishor Kumar, Manipal University Jaipur
Time/ Venue:	**Sharda Pai Auditorium, Academic Block 2**
12:15 PM – 12:45 PM	**Prof Parmeshwar Krishnan Iyer** IIT Guwahati *Strategic Engineering of Organic Luminogens: π-Conjugated Bridges, Spacers and Through-Space Drive Structure–Property Modulation and Multifunctional Applications*
12:45 PM – 1:05 PM	**Dr. Avishek Saha** NCL Pune *Multifunctional Carbon Dots: From Solvent-free Synthesis to Applications in Photocatalysis*

Lunch Break (1:05 PM – 2:00 PM)

Session II (2:00 PM – 3:20 PM)

Session Chair: Dr. Kalpana Sharma Co-Chair: Dr. Ashish Kumar Barak, Manipal University Jaipur	
Session Coordinator	Dr. Bhoopendra Pachauri, Manipal University Jaipur
Time/ Venue:	**Sharda Pai Auditorium, Academic Block 2**
2:00 PM – 2:20 PM	**Keynote Lecture: Professor S C Malik** MDU Rohtak *RAM Analysis of Repairable Systems Using Markov Approach*
2:20 PM – 2:40 PM	**Dr. M S Barak** IGU Rewari *Mathematical Modeling of Wave Propagation in Network Structures*

2:40 PM – 3:00 PM	**Dr. Brajesh Kumar Jha** PDPU Gandhinagar Gujarat *Computational Models to Analyze the Similarity of Cancerous DNA Sequence*
3:00 PM – 3:20 PM	**Dr. Rajesh Kumar** GGS Indraprastha University, New Delhi *Functional Engineering Polymers Tailored by Radiation: Opportunities for Device Development and Emerging Applications*

Tea Break/Poster Session* I (3:20 PM – 4:30 PM)

Session III (4:30 PM – 5:10 PM)

	Session Chair: Dr Jayasmita Jana, Manipal University Jaipur	**Session Chair: Dr. Deepak Sharma, Manipal University Jaipur**
Session Coordinator	Dr. Bijaya Haobum, Manipal University Jaipur	Dr. Jagadeesh Alagrasan, Manipal University Jaipur
Time/ Venue:	**Sharda Pai Auditorium AB2 (Advanced materials/ Multifunctional Materials)**	**Board Room FB6, AB2 (Sensors and Actuators, Composites and Soft Materials)**
4:30 PM – 4:40 PM	**OR014: Dr. Amit**	**OR067 Dr. Priyanka**
4:40 PM – 4:50 PM	**OR055: Dr. Bright**	**OR079 Dr. Ayush**
4:50 PM – 5:00 PM	**OR082: Dr. Ayushi**	**OR137 Dr. Kishan Kumar**
5:00 PM – 5:10 PM	**OR133: Dr. Renuka**	**OR038 Dr. Laxmi**

Banquet Dinner (6:00 PM - 9:00 PM)

End of Day 1

Day 2 (December 19th, 2025)

Session IV (9:15 AM – 10:40 AM)

Session Chair: Dr. Praveen K. Surolia Co-Chair: Dr. Saurabh Srivastava, Manipal University Jaipur	
Session Coordinator	Dr. Anjani Kumar Pandey, Manipal University Jaipur
Time/ Venue:	**Board Room, 2nd Floor, Academic Block 3**
9:15 AM – 10:00 AM	**Plenary Lecture**: **Professor R V Jasra** Vice President, R&D Reliance *Zeolites as Magical Nanoporous Materials for Catalysis, Adsorption and Drug delivery*
10:00 AM – 10:20 AM	**Dr. Mudit Dixit** CSIR CLRI Chennai *Designing Better Batteries and Catalysts with Machine-Learning-Accelerated Simulations*
10:20 AM – 10:40 AM	**Dr. Vivek K Yadav** University of Allahabad *BN-Doped Polymeric Nanosheets for Enhanced Sensing and Catalytic Activities: A First-Principles Insight*

Tea Break (10:40 AM – 11:00 AM)

Session V (11:00 AM – 01:00 PM)

Session Chair: Dr. Sandeep Kumar Srivastava Co-Chair: Dr. Rohit Jain, Manipal University Jaipur	
Session Coordinator	Dr. Anurag Sharma, Manipal University Jaipur
Time/ Venue:	**Board Room, 2nd Floor, Academic Block 3**
11:00 AM – 11:30 PM	**Dr. Ashok Singh** AIIMS Bhopal *Development of a Silk-Alginate-Based 3-Dimensional Tumor Model to Screen Chemosensitizing Drugs*
11:30 PM – 11:50 PM	**Dr. Atar Singh Kushwaha** Icahn School of Medicine at Mount Sinai, USA/MUJ *Microbial Drivers of Cervical Epithelial Injury: Mechanistic Insights into Gardnerella Induced Inflammation and Chromatin Remodeling*
11:50 PM – 12:10 PM	**Dr. Nilabja Sikdar** Estuarine and Coastal Studies Foundation Howrah *A Multi-Phase Approach using Supervised Algorithms and Clinical Models to Generate High- Accuracy Signatures for Pancreatic Cancer*
12:10 PM – 12:30 PM	**Dr. Santosh K. Sriramoju** NCL Pune *Batteries to Batteries: High-Performance Hard and Soft Carbon Materials from Coke Oven By-products for Li-ion Battery Anodes*
12:30 PM – 12:40 PM	**OR136 Dr. Ratan Bera**

Lunch Break (12:30 PM – 2:00 PM)

Session VI (2:00 PM – 3:40 PM)

Session Chair: Dr Ravi Kumar Sharma Co-Chair: Dr. Rashi Nathawat, Manipal University Jaipur	
Session Coordinator	Dr. Ratan Bera, Manipal University Jaipur
Time/ Venue:	**Board Room, 2nd Floor, Academic Block 3**
2:00 PM – 2:30 PM	**Keynote: Dr. Ram Janay Choudhary** UGC-DAE-CSR Indore *Engineering strain in transition metal oxides thin films for novel applications*
2:30 PM – 3:00 PM	**Keynote: Dr. Yogendra Kumar Mishra** University of Southern Denmark *Tetrapods based Advanced Materials for Advanced Technologies*
3:00 PM – 3:20 PM	**Dr. Arvind Yogi** UGC-DAE, Indore *Probing Unique Quantum Criticality in Co2+ Quasi-1D Zigzag Chain Frustrated Antiferromagnets*
3:20 PM – 3:40 PM	**Dr. Manjeet Singh Goyat** UPES-Dehradun *High-Performance Nanomaterials for Supercapacitors, Photocatalysis, Protective Coatings, and Composite Reinforcement*

Tea Break/Poster Session* II (3:40 PM – 4:30 PM)

Session VII (4:30 PM – 5:20 PM)

	Session Chair: Dr. Manjeet Singh Goyat UPES-Dehradun	Session Chair: Dr. Deepak Panwar, Manipal University Jaipur
Session Coordinator	Dr. Abhik Mukherjee, Manipal University Jaipur	Dr. Preeti Narooka, Manipal University Jaipur
Time/ Venue:	**Board Room, FB6, AB2 (Energy Storage Materials)**	**Board Room, 2nd Floor, AB 3 (AI/ML methods employed for Materials)**
4:30 PM – 4:40 PM	**OR057 Dr. Prasad**	**OR025 Dr. Gaurav**
4:40 PM – 4:50 PM	**OR083 Dr. Rishit**	**OR028 Dr. Neeraj**
4:50 PM – 5:00 PM	**OR122 Dr. Shivam**	**OR052 Dr. Ancy**
5:00 PM – 5:10 PM	**OR143 Dr. Naveen**	**OR076 Dr. Sonal**
5:10 PM – 5:20 PM	**OR144 Dr. Rashmi**	**OR088 Dr. Ankur**

Dinner (7:00 PM - 9:00 PM)

End of Day 2

Day 3 (December 20th, 2025)

Session VIII (9:15 AM – 10:45 AM)

Session Chair: Dr. Rajeev Nema Manipal University Jaipur	
Session Coordinator	Dr. Ankur Jain, Manipal University Jaipur
Time/ Venue:	**Board Room, 2nd Floor, Academic Block 3**
9:15 AM – 10:00 AM	**Keynote Lecture**: **Prof Numan Arshid** Sunway University Malaysia *Smart Electrochromic Supercapacitor Windows for Future Energy-Efficient Buildings*
10:00 AM – 10:20 AM	**Dr. Shweta Sharma** University of Delhi, New Delhi *Nano-Enabled Biocontrol: Synergistic Approaches Against Root-Knot Nematode and Wilt Pathogens in Medicinal Coleus*
10:20 AM – 10:40 AM	**Industrial Talk: Mr Srijit Soman** Nyro Research India Pvt Ltd. *Next Generation Atomistic Modelling & Simulations*

Tea Break (10:40 AM – 11:00 AM)

Valedictory Session/Best Poster Awards (11:00 AM - 12:00 PM)

End of the Conference with Lunch (12:00 PM Onwards)

*Visit www.ramsact.in for the detailed Schedule of Poster Sessions.