

Recent Advances in Material Science and Computational Techniques (RAMSACT-2021)
Conference Schedule

Join Us

Day I: November 24, 2021

Time (IST)	Session
09.30 - 10.30 hrs	Inaugural Ceremony
10.30-11.00 hrs	High-Tea
SESSION: I	
Session Chair: Dr. A. K. Mukhopadhyay; Co-Chair: Dr. Uvais V N	
Keynote I 11.00 - 11.45 hrs	Speaker: Prof. B. R. Mehta, IIT Delhi Talk Title: Understanding 2D- 3D interfaces for thermoelectric, photoelectrochemical and environment sensor applications
Keynote II 11.45 - 12.30 hrs	Speaker: Dr. Mahesh Kumar, IIT Jodhpur Talk Title: Advancement of 2D materials-based gas sensors
Keynote III 12.30 - 13.15 hrs	Speaker: Prof. Vikas Pareek, Mahatma Gandhi Central University, Bihar Talk Title: Covid-19 Pandemic and Emerging Technical Challenges
13.15- 13.45 hrs	Break
SESSION: II	
Session Chair: Dr. A. K. Sharma; Co-Chair: Dr. Saikat C	
Invited Talk I 13.45 - 14.15 hrs	Speaker: Dr. Rakesh Sharma, Manipal University Jaipur Talk Title: Valorization of Lignocellulosic Biomass
Invited Talk II 14.15 - 14.45 hrs	Speaker: Dr. Dharmendra Tripathi, National Institute of Technology, Uttarakhand Talk Title: "Transmission of COVID-19 in Viscous Medium: Mathematical Modelling"
Invited Talk III 14.45 - 15.15 hrs	Speaker: Dr. Devendra Jain, Maharana Pratap University of Agriculture and Technology Talk Title: Agrlturally Important Nano-materials: Green Synthesis and Applications
15.15 - 15.20 hrs	Break
Invited Talk IV 15.20 - 15.50 hrs	Speaker: Dr. Kiran Shankar Hazra, INST, Chandigarh, Punjab Talk Title: New possibilities of Nanostructured 2D materials
Invited Talk V 15.50 - 16.20 hrs	Speaker: Dr. K. P. Misra, Manipal University Jaipur Talk Title: Doped Semiconductor Nanostructures: Sol-Gel Synthesis and Their Characteristics
16.20 - 18.00 hrs	Oral Presentations

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Day II: November 25, 2021

Session: III

Session Chair: Prof. M M Sharma; Co-Chair: Dr. N. Poddar

Keynote IV 9.30 - 10.15 hrs	Speaker: Dr. Mario Jose Divan, National University of La Pampa, Argentina Talk Title: Challenges Around Data Collection Systems for IoT-based Outpatient Monitoring
Invited Talk VI 10.15 - 10.45 hrs	Speaker: Dr. Shanta Dhar, University of Miami Talk Title: Accessing Intracellular Targets for Therapeutic Gain in Major Diseases
Keynote V 10.45 - 11.30 hrs	Speaker: Prof. Arun Sharma, D. G., North East Centre for Technology Application and Reach Talk Title: Moving Toward Industry Through Science & Technology to Become Self-Reliant
Invited Talk VII 11.30 - 12.00 hrs	Speaker: Dr. Pradeep Kumar Tiwari, Manipal University Jaipur Talk Title: Quality of Service Drive Cloud Computing using Resource Management Mechanism
Invited Talk VIII 12.00 - 12.30 hrs	Speaker: Dr. Ashish Kumar, Manipal University Jaipur Talk Title: Behavioral Availability Optimization of Physical Processing Unit in Sewage Treatment Plants Using Nature Inspired Algorithms
Invited Talk IX 12.30 - 13.00 hrs	Speaker: Dr. Akhil Agrawal, Central University Rajasthan Talk Title: Development of BcEOR technology for enhanced oil recovery
13:00 - 14:00 hrs	Break

SESSION: IV

Session Chair: Prof. Sunil Joshi; Co-Chair: Dr. S. Samanta

Invited Talk X 14.00 - 14.30 hrs	Speaker: Dr. Praveen Surolia, Manipal University Jaipur Talk Title: Pesticides removal through photocatalytic degradation
Invited Talk XI 14.30 - 15.00 hrs	Speaker: Dr. Aniruddha Mondal, NIT Durgapur Talk Title: Nanostructure based photo detector
Invited Talk XII 15.00 - 15.30 hrs	Speaker: Dr. Sanjay Singh, IIT BHU Talk Title: Precursor effects in magnetic shape memory alloy
15.30 - 18.00 hrs	Oral Presentations

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Day III: November 26, 2021

Time (IST)	Session
SESSION: V	
Session Chair: Prof. Manish Tiwari ; Co-Chair: Dr. Pratishtha Mathur	
Keynote VI 9.30 - 10.15 hrs	Speaker: Dr. Thom Ives, UL Prospector, USA Talk Title: Supervised Machine Learning Methods In Python
Keynote VII 10.15 - 11.00 hrs	Speaker: Dr. V. G. Sathe, UGC-DAE-CSR, Indore Talk Title: Detection of Femtometer scale displacement in single crystals using polarized Raman spectroscopy: Invention of a new method
Invited Talk XIII 11.00 - 11.30 hrs	Speaker: Dr. Purnandu Parhi, Ravenshaw University, Cuttack Talk Title: Cerium Oxide a Potential candidate in Photocatalysis and Electrocatalysis
Invited Talk XIV 11.30 - 12.00 hrs	Speaker: Dr. Abhishek Sharma, Manipal University Jaipur Talk Title: Multi-layered Modelling Techniques in Chemical Sector: System Design and Economic Evaluation
12.00 - 12.15 hrs	Valedictory