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About Us

MANIPAL UNIVERSITY JAIPUR (MUJ)

Manipal group in education is a name to reckon with not just in India, but the world over. The seeds of its magnificent growth were sown back in 1953 by Padma Shree Late Dr. TMA Pai. Manipal University Jaipur is the fifth university established in 2011 by Manipal Global Education Services. Manipal Global Education Services (MaGE), a part of Manipal Education and Medical Group (MEMG) is a leading international provider of high-quality higher education services. Manipal University Jaipur is the first university in the state of Rajasthan accredited as A+ (3.28) grade by NAAC. The vision of the University is to be a "Global Leader in Higher Education and Human Development". MUJ offers a wide spectrum of career-oriented programs in different disciplines like Engineering, Sciences, Management, Law, Arts, Journalism and maintains the Manipal University's legacy of providing quality.

About the Conference

Recent Advancements in Materials Science and Computational Techniques (RAMSACT) is a platform with the goal of bringing together prominent academic scientists, researchers, and research scholars to exchange and share their experiences and research findings on all aspects of Multifunctional Materials and Computational Techniques. It also provides a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered, and solutions adopted in the fields aligned with the conference theme. RAMSACT aims to provide an appropriate forum, where high quality and exceptional knowledge exchange can take place among students, academics, and industry researchers.

Publication

All the papers will be published in Scopus Indexed Journals/Proceedings.

Journals

- NanoWorld Journal (Scopus Indexed)
- AIP Conference Proceedings
- Few more Journals in pipeline.

Paper Submission Link: <https://easychair.org/conferences/?conf=ramsact2021>

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2nd INTERNATIONAL CONFERENCE

on

Recent Advances in Material Science and Computational Techniques (RAMSACT)

<http://ramsact.in>

May 30-31, 2022

Organized by

**School of Basic Sciences
Faculty of Science
Manipal University Jaipur**

Jaipur-Ajmer Express Highway, Dehmi Kalan,
Near GVK Toll Plaza, Jaipur, Rajasthan 303007

Important Dates

Last date for Abstract submission:

May 20, 2022

Acceptance of Abstract submission:

May 22, 2022

Last date for paper submission:

May 25, 2022



Conference Theme Areas:

TRACK 1

Theme: Fundamental and upcoming advances in Biosciences and Biotechnology

Subthemes:

- Diversity of plants
- Traditional medicine
- Genomics and proteomics
- Food and beverages
- Microbial ecology
- Nanotechnology and nanomedicine
- Biopolymers
- Cancer biology
- Viruses and vaccinations
- Metabolic engineering
- Transgenic technology
- Wastewater treatment
- Solid waste management
- Biophysics
- Structural Biology
- Bioinformatics

TRACK 4

Theme: Computer Applications Track: Computational Techniques for Intelligent Health Care Services

Subthemes:

- Health Care Recommendation System
- Medical Imaging for Health Care
- Machine Learning Model for Automated Medical Diagnosis
- Soft Computing Techniques for Medical Assistance
- IoMT
- Personalized Health Care System
- Detection and Prediction

TRACK 2

Theme: Recent Advancements in the Application of Chemistry in Bio and Nanomaterials

Subthemes:

- Energy Conversion and Storage
- Multifunctional and Smart Materials
- Natural and Bio-Materials
- Environmentally benign and Sustainable Chemistry
- Theoretical and Computational Chemistry
- Materials in Drug Discovery, Development and Delivery
- Nano and Composite Materials
- Societal Applications of Materials

TRACK 5

Theme: Nanomaterials for Multifunctional Applications

Subthemes:

- Advances in Functional and Multifunctional Nanomaterials
- Hybrid Nanomaterials
- Shape Memory Materials
- Advances in Multiferroic and Magnetoelectric Nanomaterials and Applications
- Luminescent Nanomaterials and Applications
- Energy Harvesting via Smart Nanomaterials
- Nanomaterials for Superconductivity
- Flexible Nanomaterials for nano-electronics
- Bioinspired Nanomaterials
- Nanotechnology for Agriculture, Biomaterials, Tissue engineering, Theranostics
- New Materials and Processing Technology
- Emerging 2D-layered Nanomaterials
- Nanomaterials for sensors and actuators
- Theory and simulation of nanomaterials

TRACK 3

Theme: Mathematical and Statistics Sciences

Subthemes:

- Algebra
- Analysis
- Computational Fluid Dynamics and Solid Mechanics
- Fuzzy Set Theory and Graph Theory
- Operations Research and Optimization Techniques
- Demography
- Mathematical Modelling
- Numerical analysis and Non
- Linear Differential Equations
- Geometric Function Theory
- Special Functions and Fractional calculus
- Statistical Inference
- Sampling Theory
- Stochastic Process
- Distribution theory
- Fixed point Theory
- Cosmology and Celestial Mechanics
- Space Dynamics
- Information Theory

Registration Details

Registration Fee	with publications	only presentation
Indian Author	Rs 9500/-	Rs 800/-
Foreign Author	USD 150	USD 15

for more details visit the website of
[RAMSACT-2022:https://ramsact.in/](https://ramsact.in/)

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