

About the University

Launched in 2011, Manipal University Jaipur (MUJ) is a co-educational, residential, private research university located in the city of Jaipur in Rajasthan, India. MUJ has redefined academic excellence in the region, with the Manipal way of learning; one that inspires students of all disciplines to learn and innovate through hands on practical experience. The multi-disciplinary university offers career-oriented courses at all levels, i.e., UG, PG and doctoral and across diverse streams, including Engineering, Architecture, Planning, Fashion Design, Interior Design, Fine Arts, Hospitality, Humanities, Journalism and Mass Communication, Basic Sciences, Law, Commerce, Computer Applications, Management, etc. Some PG programmes are also available in the research mode.

Department of Physics

The Department of Physics at Manipal University Jaipur comes under the umbrella of School of Basic Sciences. The department was established since the inception of the university in 2011 with a vision to provide excellence in the higher education in Physics and to pursue research in interdisciplinary science. Apart from teaching, the department continuously puts major efforts in conducting research work in the thrust areas of materials science, nanoscience, plasma physics and nuclear physics. Currently there are 13 faculty members who are highly qualified and hail from the globally recognized best institutions with rich experience in teaching and have made significant contribution to their respective areas of research. The department also hosts several research projects sponsored by SERB, DST, UGC, DAE and DST Rajasthan.

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Article Submission

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E-Conference

Call for papers

International Conference on Multifunctional Nanomaterials

(ICMN 2020)

(28-30 December, 2020)



**MANIPAL UNIVERSITY
JAIPUR**

(University under Section 2(f) of the UGC Act)



Organized by;

**Department of Physics,
Manipal University Jaipur**

Jaipur – 303007

Rajasthan, India

<https://jaipur.manipal.edu/>

Conference Website

<https://icmn2020.com/>

Theme

Multifunctional nanomaterials have greater ability than conventional materials, to perform several goals synergistically. They are gradually attracting more and more attention because of their ability to combine numerous properties, such as electronic, magnetic, optical, and catalytic. Their highly functional behaviour with modified properties is often observed to be quite different from those of the individual materials. The distinctive properties of these materials employed together with other materials or through functionalization, meet the diverse application requirements. The purpose of the functionalization is manyfold, such as surface modification, the ability to increase the functionality, dispersibility, and stability, controlled release of the single nanoparticles, reduction in consumption of materials, etc. Therefore, it is an appropriate time to open a forum where a high quality and an exceptional knowledge exchange can take place among students, academics and industry researchers.

International Conference on Multifunctional Nanomaterials (ICMN 2020) aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of Multifunctional Nanomaterials. 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 field of Materials science.

Call for Contributions

Prospective authors are kindly encouraged to contribute to and help shape the conference through submissions of high quality research contributions describing original and unpublished results of conceptual, constructive, empirical, experimental, or theoretical work in all areas of Multifunctional Nanomaterials. The researchers, academics and industry representatives are cordially invited for presentation at the conference. The ICMN 2020 solicits contributions of abstracts as well as full papers that address its topics and theme.

Registration Fee

| Category | Fee (Indian Delegates) INR (₹) | Fee (Foreign Delegates) USD(\$) |
|---|-----------------------------------|------------------------------------|
| Student /Faculty/Scholar (With Publications) | 3500 | 75 |
| Student /Faculty/Scholar (Without Publications; only participation) | 1000 | 50 |
| Industry Person | 5,000 | 150 |

Topics to be covered

- Advances in Functional and Multifunctional Nanomaterials
- Hybrid Nanomaterials
- Shape Memory Materials: State-of-the-art Research and Applications
- Advances in Multiferroic and Magnetoelectric Nanomaterials and Applications
- Advances in Inorganic Luminescent Nanomaterials and Applications
- Catalytic Nanomaterials
- Photocatalytic Nanomaterials for Energy and Environmental Applications
- Energy Harvesting via Smart Nanomaterials
- Nanomaterials for Superconductivity
- Stretchable and Flexible Electronic Nanomaterials & Devices
- Bioinspired Nanomaterials
- Biomimetic bioactive biomaterials – the novel materials of implantable devices
- Stimuli Responsive Nanomaterials
- Intelligent drug delivery and release systems
- New Nanomaterials for sensors and actuators: Sensing the Future with New Materials
- Intelligent Nanomaterials for Textiles
- Fire Retardant Nanomaterials and surfaces
- Smart Materials & Nanosystems
- Graphene and Other Emerging 2D-layered Nanomaterials

Important Deadlines

Submission of abstract & full paper: 10.12.2020

Acceptance notification: 15.12.2020

Registration deadline: 25.12.2020

Online Registration

Participants can submit online registration form through the conference website. <https://icmn2020.com/>

Guidelines for Participants

Instructions for Poster Presentation:

A poster should be prepared in such a way that the delegates are able to quickly read and grasp the idea. Hence, these should be visually appealing and legible. The contents should be easily readable.

Instructions for Oral Presentations:

Power point presentations will be made by the presenting author in a pertinent Scientific Session. Time duration for each presentation will be 10 min., followed by discussions, if any.

School on Material Characterization Techniques

A winter school will be held on 26 and 27 December, 2020 for senior UG, PG students and Research scholars on various characterization techniques used in multifunctional nanomaterials.

For more details please visit the conference website.

Online Conference Platform

Due to the current grave scenario of COVID-19 pandemic, this conference ICMN2020 will be organized ONLINE. Participants will give their talks and join in online conversations during the conference using an online conference platform. The virtual conference program will be announced before the conference dates and the online conference platform will be available for all registered authors and listeners.

All the registered participants will get an e-certificate.

Note: The accepted papers will be published in *Journal of Nano- and Electronic Physics (Scopus Indexed, Impact Factor 0.570)* and in *Materials Today: Proceedings (Scopus Indexed)*



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