



Department of Physics Mohanlal Sukhadia University, Udaipur (Rajasthan)

Organizes

INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ADVANCED MATERIALS

On July 15, 2021 (Online Mode)

ABOUT CONFERENCE

The Department of Physics, University College of Science, Mohanlal Sukhadia University, Udaipur (Rajasthan) is organizing an **International Conference on "Recent Trends in Advanced Materials" (ICRTAM)** on **July 15, 2021**. The conference shall provide a forum to disseminate and share the emerging knowledge, trends and results in theory, computation, synthesis, and characterization of advanced materials. With the advent of state-of-art experimental techniques and theoretical methods properties of advanced materials and applications have drawn attention of scientific and engineering fields. The development of advanced materials over various length scales has grown rapidly due to growing demands in energy sector, thermal reactors, microelectronics, infrastructure, defense and medical sectors. Further progress requires interaction, exchange and sharing of cutting edge research, new knowledge and emerging technological spin offs with scientists, academicians, researchers and students working in similar areas. The objectives of the conference is to bring such researchers under a forum and to give exposure and acquaintance to budding researchers willing to do research on advanced materials. It will enable to exchange ideas and forge collaborative research work. The program of the conference will comprise of Invited talks and a few Oral presentations.

ABOUT MOHANLAL SUKHADIA UNIVERSITY

Mohanlal Sukhadia University (erstwhile Udaipur University) at Udaipur, Rajasthan is a UGC recognized multi-faculty affiliating state University established by an act in the year 1962 to cater the needs of higher education in Southern Rajasthan. As a mark of respect to the memory of late Shri Mohanlal Sukhadia, the architect of modern Rajasthan, the University was renamed as Mohanlal Sukhadia University. The University has 48 departments under four constituent colleges and more than 100 affiliated colleges from Chittorgarh, Rajsamand, Sirohi and Udaipur districts with an enrolment of about 2 lakh students.

ABOUT THE DEPARTMENT

Department of Physics, Mohanlal Sukhadia University, Udaipur was established in 1965. The department offers undergraduate, postgraduate and Ph.D. degree courses in Physics. The major areas of research conducted in the department include Atomic and Molecular Physics, Solid State Physics, Computation and Materials Science. The department has been supported by various programs such as DSA by UGC, FIST by DST and RUSA by MHRD. Most of the faculty members also have individual research projects from central agencies like UGC, DST, DRDO, SERB, BRNS, state DST etc. Faculty members also have active collaborations with other universities and institutions within and outside the country.

CALL FOR PAPERS

Research papers are invited from the faculty members, Scientists, research scholars and students on '**Recent Trends in Advanced Materials**'. Those interested in participation may submit copy of the abstract in the specified format. The last date of paper submission is June 30, 2021. The Invited talks shall be of 35 minutes and the Oral presentation shall be of 15 minutes.

CONFERENCE THEMES

Theoretical, experimental and computational studies to explore Physics and Chemistry of:

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| <input type="checkbox"/> Composites and Biomaterials | <input type="checkbox"/> Energy Storage Materials | <input type="checkbox"/> Nanomaterials |
| <input type="checkbox"/> Ferroelectric and Multiferroic Materials | <input type="checkbox"/> Electronic and Functional Materials | <input type="checkbox"/> Magnetic Materials |
| <input type="checkbox"/> Photovoltaic and Thin Films | <input type="checkbox"/> Superconducting Materials | <input type="checkbox"/> Metals and Alloys |
| <input type="checkbox"/> Modelling and Simulation of Advanced Materials | <input type="checkbox"/> Polymer Nanocomposites and Hybrid Materials | |

REGISTRATION and ABSTRACT SUBMISSION

1. No registration fee
2. Fill the registration form using the link <https://forms.gle/NpeLxAffU2z6Cdn9>
3. Upload your abstract in the google form or email to icrtam21@gmail.com
4. Last date for registration and submission of abstract (not exceeding 300 words): **June 30, 2021**. Title should be in bold letter, upper case, centered, Times New Roman with 14 font size and 1.5 spacing followed underneath by author including affiliation, complete postal address and email of corresponding author.
5. Intimation of the acceptance of the abstract: **July, 5 2021**.
6. Declaration of technical program: **July 10, 2021**

ORGANIZERS



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Hon'ble Vice Chancellor

Mohanlal Sukhadia University Udaipur



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