



MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE



DEPARTMENT OF PHYSICS
&
UGC-DAE CSR, MUMBAI CENTER

Jointly Organizes

**AWARENESS WORKSHOP ON
CRS FUNDING OPPORTUNITIES
UTILIZATION OF IN-HOUSE
AND LARGE SCALE DAE FACILITIES**



1 - 2, SEPTEMBER 2026

&



**INTERNATIONAL CONFERENCE ON
MATERIAL SCIENCE &
ADVANCED APPLICATIONS**

*Advanced Materials for Energy, Environment, Healthcare,
Electronics, Industrial Innovation and Emerging Technologies*



3 - 4, SEPTEMBER 2026

(ICMSAA-2026)



Conference Website: <https://icmsaa2026.mitmysore.in/>



Belawadi, Srirangapatna Taluk,
Mandya – 571477, Karnataka, India



COLLABORATE



INNOVATE



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Bridging Knowledge. Building Futures.

UGC-DAE CSR AWARENESS WORKSHOP

CRS FUNDING OPPORTUNITIES, UTILIZATION OF IN-HOUSE AND LARGE SCALE DAE FACILITIES

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Principal, MITM & Founder President, MET

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About UGC-DAE-CSR: UGC-DAE Consortium for Scientific Research (CSR), Mumbai Centre and the Department of Physics, Maharaja Institute of Technology Mysore (MIT Mysore) are organizing a two-day workshop on Collaborative Research Scheme (CRS) funding opportunities & Advanced Probes for Structure and Physical Property Correlation in Materials Science using highly sophisticated research facilities that are available at different centres of the CSR and also at various centres of the Department of Atomic Energy (DAE), which are accessible through CSR, such as the Dhruva Reactor at BARC, Mumbai, INDUS Synchrotron at RRCAT, Indore, and VECC, Kolkata.

About Maharaja Institute of Technology Mysore (MITM): MITM was established in 2007. The institute is affiliated with Visvesvaraya Technological University (VTU), Belagavi and approved by the All India Council for Technical Education (AICTE), New Delhi. MITM is recognised for its commitment to excellence in technical education, research, and innovation. The institute offers undergraduate and postgraduate programmes in engineering, management and computer applications, supported by highly qualified faculty members, modern laboratories, advanced research facilities and industry-oriented academic practices.

About the Department of Physics: The Department of Physics, established in 2007, provides the basic foundation course, Engineering Physics, a fundamental for any Engineering Stream. The Department relishes the pleasure of being one of the leading research departments in the institution. It has been duly recognised as a Research Centre by VTU Belagavi and the University of Mysore for conducting Ph.D. program. An Advanced Research Centre was established in the year 2011 and upgraded further with the sponsored research grant and support of DAE-BRNS, Mumbai, UGC-DAE-CSR, Indore, SERB-DST, New Delhi and MRF-MIT, Mysore. The research centre is equipped with state-of-the-art research equipment for the growth of oxide materials both in bulk and nanoparticles. The establishment of a low-temperature lab for electrical and magnetic measurements is in progress. The department also has a well-established collaboration with national and international advanced research labs for characterisation.

About Workshop

The UGC-DAE-CSR, Mumbai Centre, in association with the Department of Physics, MITM is organizing a two-day Awareness Workshop on UGC-DAE CSR Facilities, followed by the International Conference on Material Science and Advanced Applications (ICMSAA-2026).

The workshop aims to create awareness among faculty members, research scholars, and young researchers about the sophisticated experimental facilities available through the UGC-DAE CSR centres and various DAE laboratories. Experts from UGC-DAE-CSR will introduce participants to advanced characterisation techniques and national research facilities, including neutron scattering at the National Facility for Neutron Beam Research (NFNBR), Dhruva Reactor, BARC Mumbai; synchrotron radiation experiments at the INDUS Synchrotron, RRCAT Indore; ion beam facilities at VECC Kolkata; and research facilities available at the Kalpakkam Node, IGCAR.

The workshop will emphasise the utilisation of neutron scattering facilities at the NFNBR, Dhruva Reactor, BARC, for condensed matter studies under different sample environments such as low temperature and high magnetic fields. Complementary studies such as AC susceptibility, magneto-resistance and magnetisation studies using vibrating sample magnetometer (VSM), broadband dielectric spectroscopy and other techniques will be covered. Overview of facilities at Indore and Kolkata centres of CSR, including the utilisation of INDUS synchrotron radiation at RRCAT, Indore and accelerated ions from VECC Kolkata, and at the Kalpakkam Node at IGCAR will also be presented.

Faculty members and research scholars from universities and colleges who are interested in participating in the workshop may apply by providing the following details in Google form link, (i) Name, (ii) Designation and age, (iii) Affiliation, (iv) Address for correspondence with email address, (v) Current area of research, (vi) List of related publications (vii) Recommendation from supervisor in case of student, (viii) Information on whether the applicant has attended any of the UGC-DAE CSR workshops held earlier, (ix) accommodation and financial assistance if required, for travel to attend the workshop. Participants are expected to attend all sessions of the workshop. Local hospitality will be provided. Financial assistance for travel by govt. transport as per CSR rules, but limited to 3AC for students and 2AC for faculty, will be provided on specific request.

Important Dates

1-2 September 2026

Registration Deadline

15th August 2026

**Scan for Workshop
Registration**



Contact:

dept_phy@mitmysore.in

9480843681 (Prof. Lokesh N)

9480839679 (Prof. Chandan K)

Registration Link: <https://forms.gle/eUjmDLm4fWSTYfMv8>

Coordinators

Prof. Dr. Vijaylakshmi Dayal

HoD, Department of Physics, MITM

Email: hodphysics@mitmysore.in

Dr. S. D. Kaushik

UGC-DAE CSR, Mumbai Centre, BARC, Mumbai- 400 085

INTERNATIONAL CONFERENCE ON

MATERIAL SCIENCE & ADVANCED APPLICATIONS (ICMSAA-2026)

ABOUT CONFERENCE

The international conference on Material Science and advanced applications (ICMSAA-2026) is envisioned as a premier international forum that brings together researchers, academicians, scientists, industry professionals and young scholars to exchange knowledge and discuss recent advances in materials science and engineering. The conference aims to foster interdisciplinary interactions and promote collaborative research addressing global challenges in energy, environment, healthcare, electronics, industrial innovation and emerging technologies.

ICMSAA-2026 will provide a dynamic platform for presenting cutting-edge research on the synthesis, processing, characterisation, properties and applications of advanced materials. The conference will encompass a broad spectrum of topics, including energy materials, environmental and sustainable materials, biomaterials, electronic and photonic materials, magnetic and quantum materials, functional and smart materials, nanomaterials, advanced ceramics, polymers, composites and materials for industrial and strategic applications.

CALL FOR PAPERS: HIGH QUALITY RESEARCH PAPERS IN THE FOLLOWING TRACKS ARE INVITED

Patron

Dr. Naresh Kumar B. G.

President, MET

Chairperson

Dr. Murali S.

Principal, MITM, Founder-President, MET

Convener

Prof. Dr. Vijaylakshmi Dayal

HoD, Department of Physics, MITM

Advisory Committee

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UGC-DAE-CSIR, Centre-Director, Indore, MP, India

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UGC-DAE-CSIR, Centre-Director (affiliating), Mumbai, India

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Global Foundries, Bengaluru, Karnataka, India

Prof. Dr. Dinesh Rangappa

VTU, Chikballapur, Karnataka, India

Dr. Prashant Singh

Ames National Laboratory/US DoE, Ames, IA, USA

Materials Synthesis, Processing and Manufacturing:

Solution Combustion Synthesis, Sol-Gel Processing, Hydrothermal Methods, Solvothermal Methods, Crystal Growth, Thin-Film Deposition, Additive Manufacturing, Materials Fabrication, Green Synthesis, Sustainable Processing, Advanced Manufacturing, Industrial Scale-Up.

Energy Materials and Technologies:

Batteries, Supercapacitors, Fuel Cells, Hydrogen Energy Materials, Solar Energy Materials, Thermoelectric Materials, Energy Harvesting Materials, Energy Storage Materials, Energy Conversion Materials, Renewable Energy Technologies.

Environmental and Sustainable Materials:

Photocatalytic Materials, Environmental Remediation Materials, Water Purification Materials, Pollution Control Materials, Waste Management, Carbon Capture Materials, Sustainable Materials, Green Materials, Circular Economy Materials.

Biomaterials and Healthcare Materials

Biomaterials, Bioactive Materials, Biosensors, Drug Delivery Systems, Tissue Engineering Materials, Regenerative Materials, Medical Implants, Healthcare Technologies, Diagnostic Materials.

Electronic, Electrical, Photonic and Optoelectronic Materials

Semiconductors, Dielectric Materials, Conducting Materials, Insulating Materials, Optoelectronic Materials, Photonic Materials, Plasmonic Materials, Flexible Electronics, Transparent Conducting Materials, Sensor Materials, Neuromorphic Materials, Memristive Materials, Materials for AI Hardware.

Magnetic, Spintronic and Quantum Materials

Magnetic Materials, Spintronic Materials, Voltage-Controlled Magnetic Anisotropy (VCMA), Magnetic Tunnel Junctions, Skyrmionic Materials, Quantum Materials, Quantum Devices, Superconducting Materials, Magnetic Nanomaterials, Multifunctional Magnetic Materials.

Functional and Smart Materials

Multiferroics, Ferroelectrics, Piezoelectrics, Pyroelectrics, Electroceramics, Magnetoelectric Materials, Shape Memory Materials, Smart Materials, Adaptive Materials, Responsive Materials, Multifunctional Materials.

Nanomaterials, Thin Films and Surface Engineering

Nanostructured Materials, Nanocomposites, Nanodevices, Nanoelectronics, Nanophotonics, Thin Films, Coatings, Surface Modification, Interface Engineering, Surface-Functionalized Materials.

Ceramics, Polymers, Composites and Advanced Functional Materials

Advanced Ceramics, Functional Polymers, Hybrid Materials, Structural Composites, Multifunctional Composites, Perovskite Materials, Functional Oxides, Microwave Dielectric Materials, Electronic Ceramics, Transparent Conducting Oxides, High-Entropy Materials, Two-Dimensional Materials, Graphene, MXenes.

Materials for Industrial Innovation and Emerging Technologies

Industrial Materials, Structural Materials, Metals and Alloys, Aerospace Materials, Defense Materials, High-Temperature Materials, Corrosion-Resistant Materials, Sustainable Infrastructure Materials, Industry 4.0 Materials, Advanced Manufacturing Materials, Next-Generation Technologies, Emerging Materials Applications.

Organising Committee and

contact: Refer workshop page

Full Paper Publication

(Optional):

The peer reviewed full-length papers, will be considered for publication in Scopus Indexed and Web of Science Indexed journals/ proceedings.

Conference Features

Keynote Lectures, Invited Talks, Oral Presentations, Poster Sessions, Industry Interaction, Best Presentation Award, Publication after Peer Review

Important Dates:

Abstract Submission Opens: Now

Abstract Submission link: <https://forms.gle/C77RbXsddrxTCXg8A>

Abstract Submission deadline: 10-08-2026

Acceptance Notification: 12.08.2026

Registration Deadline: 15-08-2026

Full Paper Submission in Scopus Index Journal/Book: 05-10-2026

Registration Details

Registration Link: <https://forms.gle/UPs3w8iMWOAzNxGb6>

Registration Charges:

- Faculty : ₹4,000/-
- Research Scholars: ₹3,500/-
- Bachelor & Master's Students: ₹2,000/-

Accommodation Facility for the Conference is on Payment basis

Conference Website: <https://icmsaa2026.mitmysore.in/>



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Abstract Submission



Scan for Conference
Registration