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INTERNATIONAL CONFERENCE ON MATERIALS INNOVATION IN ENGINEERING & TECHNOLOGY (icMIET - 24)

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articles
will be published
in the Journal of
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August
22 & 23
2024



Scopus

MIET
ENGINEERING COLLEGE
(Autonomous)

Organized by
Department of Mechanical Engineering

ABOUT THE INSTITUTE

The M.I.E.T. Engineering College was established by the Mohamed Institute of Education & Technology (M.I.E.T.) Society, Tiruchirappalli in the year 1998 with an objective to promote higher education in Science and Technology. The College is affiliated to Anna University, Chennai and approved by AICTE. The college is recognized under section 2(f) & 12B of the UGC Act, 1956. The college has been accredited by NAAC with 'A+' Grade and five departments namely MECH, EEE, CSE, CIVIL and ECE are accredited by NBA. Presently, the institute offers 8-UG and 6-PG programmes. The Mechanical Engineering and Electrical & Electronics Engineering are recognized as research departments by Anna University, Chennai. Recently (2023), the college has been conferred Autonomous status by University Grants Commission (UGC) and Anna University, Chennai. Also, the Ministry of External Affairs, Government of India recognized the M.I.E.T. Engineering College to admit foreign nationals under the Study in India Programme.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering UG- Programme was started in the year 1998 and the PG- Programme Manufacturing Engineering was started in the year 2007. Anna University, Chennai recognized the department as a Research Department since 2015. The department was accredited by NBA New Delhi since 2019. The department is having experienced faculty members including 7 Ph.D. holders and other faculty members are pursuing Ph.D. programmes. The department is endowed with research facilities and laboratories in Design, Gasification, Composite Materials, Biodiesel Production, Thermal Energy and Optimization. It has high standard research eco-system which is actively conducting various research events such as Conferences, Seminar, FDP, VAC, Symposia and produces high-quality research papers. The department is having frequent interaction with other academia, R&D Centres and Industries through MoUs for the enrichment of expertise of faculty members and students.

ABOUT THE CONFERENCE

The Department of Mechanical Engineering organizes the International conference to discuss the recent findings, advances and innovations in Material Science and Engineering. The materials influence the utmost significant and essential impact in modern industrial components. Hence, the researchers' are forced to provide the new materials and characteristics depending upon the application in the industry

requirement. In view of rapid development technology, the requirement of new materials is ever on the increase and there is an additional need for intense research and deliberation in the field of materials science. Hence this conference is aimed to discuss the recent advancements and innovation in materials and it would provide an excellent opportunity for the participants to get enlightened on cutting-edge research in the areas of advanced Material Science, Engineering and Technology.

TARGET PARTICIPANTS

The major target groups of the conference are Researchers from Academia, Scholars, PG& UG Students, Scientist from National Research laboratories, Technocrats from industries, Professionals and Entrepreneurs dealing with specialized materials.

CALL FOR ABSTRACTS AND FULL-LENGTH RESEARCH PAPERS

The ICMET-2024 provides a dynamic platform for researchers, academicians, and industry professionals to present technical paper and discuss their latest findings, exchange valuable insights in advanced materials. The Authors are encouraged to submit papers in the key research areas of materials such as

- Multifunctional materials
- Studies of structure
- Design of materials and engineering systems
- Micro and Nano-scale phenomena
- Structure -property relationships
- Properties of inorganic and organic materials
- Advanced synthesis, processing and characterization
- Advanced developments in the testing of materials
- Soft matter
- Photonic materials and meta materials
- Biomaterials
- Glasses and ceramics
- Machine learning and data science in materials
- Damage, Fracture and Fatigue
- Smart materials
- Superconducting materials
- Nanomaterials and nanostructures
- Computational materials science and modelling
- Ceramic, Dielectric and Ferro electric materials
- Super alloys

JOURNAL PUBLICATIONS

The full length papers will be reviewed as per the Journal peer review policy and the similarity of article should be

less than 10%. Accepted research articles will be published in the **Journal of Physics: Conference Series** (SCOPUS indexed), ISSN: 1742-6596. The journal publication charge will be borne by Authors only.

ABSTRACT AND PAPER SUBMISSION

A soft copy of Abstracts must be confined to the maximum of 200 words of research article and it should be submitted through e-mail: (icmiet@miet.edu) to the Organizing Secretary, ICMET-2024 on or before 02nd July, 2024. The shortlisted authors are asked to submit the camera ready research full length paper before 05th August, 2024 (Monday).

IMPORTANT DATES TO BE NOTED

- **Last date for submission of Abstract:** (Only over email): 14th July 2024 (Sunday)
- **Abstract/Papers Selection Notification:** 18th July, 2024 (Thursday)
- **Deadline for submission of Camera-ready article and Registration Fee** 05th August, 2024 (Monday)
- **Conference Dates:** 22nd & 23rd August, 2024 (Thursday and Friday)

CONFERENCE REGISTRATION AND PAYMENT

Registration fee

- | | |
|----------------------------------|-------------------|
| • Students & Scholars | : INR 1500 |
| • Academicians | : INR 2000 |
| • Industry Delegates | : INR 3000 |
| • Overseas participants | : \$ 200 |

Mode of payment : Bank transfer

- All the payment should be paid by any of online mode (Net banking, NEFT, IMPS and UPI). After confirmation of the paper the account details will be shared through E-mail.
- Conference kit will be provided.
- Accommodation will be provided on payment basis if required.

CONFERENCE WEBSITE :

<https://miet.edu/mconference.html>