

## ICMSE-2025 Conference

Department of Mechanical Engineering under the aegis of NITJ is organizing the **self-sponsored 4<sup>TH</sup> International Conference on Materials Science & Engineering (ICMSE)** from 11-12 June, 2025. The present conference aims at providing a leading forum for sharing original research contributions and practical developments in the field of Materials Science and Engineering so as to contribute its share for technological advancements. Globalization provides all around development and this development is impossible without technological contributions. Hence, the present conference aims at providing a leading forum for sharing original research contributions and practical developments in the field of Materials so as to contribute its share for technological advancements. The previous conferences ICMSE 2019, ICMSE 2022, ICMSE 2023 were held successfully and were attended by researchers from India and abroad.

### Dr. B. R. Ambedkar National Institute of Technology, Jalandhar

The Institute is named after Bharat Ratan Dr B. R. Ambedkar, founder of Indian Constitution. The institute came into existence in the year 1988 as Regional Engineering College on a beautiful campus of about 154 acres close to the heart of Jalandhar city. The institute obtained the status "Institute of National Importance" by Act of Parliament in 2007. The institute is located on the G.T Road Amritsar bye-pass at a distance of 15 km from Jalandhar Bus Stand, 12 km from Jalandhar City Railway Station, and 18 km from Jalandhar Cantt. railway station. The institute is well connected to the National Capital through rail and road link. The institute is ranked 58<sup>th</sup> in the NIRF ranking 2024.

### Department of Mechanical Engineering

The Department of Mechanical engineering was founded in 1990 and has grown as one of the dynamic departments of the Institute over the last three decades. The department offers B Tech, M Tech (Design & Thermal) and PhD programmes. The B.Tech program is accredited by the NBA.

### Call for Papers

The organizers invite papers from students, teachers, scientists and researchers in academia and industry to

present the results of their research and development efforts in the field of Materials Science & Engineering. Papers must report original academic or industrial research in any of the following topics not limited to but relevant to the conference.

1. *Materials Science & Engineering*
2. *Nanoscience and Nanotechnology*
3. *Biomaterials*
4. *Advanced Materials*
5. *Energy Materials*
6. *Composite Materials*
7. *Polymer Materials*
8. *Materials Characterization*
9. *Materials Chemistry*
10. *Materials Physics*
11. *Structural and Nano-structural Materials*
12. *Graphene, Carbon and 2-D Materials*
13. *Computational Materials Science*
14. *Electronic, Optical, and Magnetic Materials*
15. *Dielectric and Piezoelectric Materials*
16. *Materials for Green Technology*
17. *Batteries and Solid Electrolyte Materials*
18. *Materials Synthesis and Processing*
19. *Materials & Metallurgy*
20. *Glass-based Materials*
21. *Bio-inspired Materials*
22. *Innovations in Materials Manufacturing*
23. *Metal Casting*
24. *Crystallography*
25. *Condensed Matter Physics*
26. *Semiconductors and Superconductors*
27. *Mineralogy*

### Author Guidelines

The presenters should submit their paper with Times New Roman, 12 point, fonts in Windows-based Microsoft Word (.doc / .docx) document by attaching an e-mail to [icmse2025@nitj.ac.in](mailto:icmse2025@nitj.ac.in) by mentioning the **Title of manuscript** in the mail subject with other relevant details. The manuscript shall be reviewed by a peer committee. **Selected manuscripts** will be accepted for oral presentation. After the conference, the authors are required to submit the full paper again through the link provided by IOP Conference Series. All the templates and detailed

guidelines are available at website (<https://www.nitj.ac.in/ICMSE2025/>). All the presented papers will be published in Web of Science-indexed conference proceedings journal - **IOP Conference Series: Materials Science and Engineering**.

### Registration Fees

At least one author of each accepted paper must register by May 11, 2025 in order for the paper to be included in the conference. Each author must pay the conference fee first. After the paper has been accepted, then only the authors are required to pay the publication fee.

### Registration Details

#### (A) Conference fees:

The registration fees for the conference:

1. Students:  
From NITJ= ₹ 2,000, Outside NITJ= ₹ 2360 (including GST @18%)
2. Faculty:  
From NITJ= ₹ 3,000, Outside NITJ= ₹ 3540 (including GST @18%)
3. Participants from Industry: ₹ 4720 (including GST@18%)
4. Participants from abroad (outside India): USD 59 (including GST@18%)

#### (B) Publication fees (Optional)

1. Students:  
From NITJ= ₹ 9450, Outside NITJ= ₹ 11,151 (including GST @18%)
2. Faculty:  
From NITJ= ₹ 9450, Outside NITJ= ₹ 11,151 (including GST@18%)
3. Participants from Industry: ₹ 11,151 (including GST@18%)
4. Participants from abroad (outside India): USD 124 (including GST@18%)

### Important Dates

<b>Paper Submission Starts</b>	January 01, 2025
<b>Paper Submission Ends</b>	April 30, 2025
<b>Acceptance of Paper</b>	May 10, 2025
<b>Author Registration Starts</b>	May 11, 2025
<b>Author Registration Ends</b>	May 31, 2025

## Organizing Committee

### Chief Patron:

Prof. BK Kanaujia, Director, NIT Jalandhar

### Patron:

Prof. T Srinivas, HOD (ME), NIT Jalandhar

### Organizing Secretary:

Dr. Sumit Sharma

Dr. Ashok Kumar

### Joint Secretary

Dr. Pamika Shrivastava, Assistant Professor, ME, NITJ

Dr. Ranchan Chauhan, Assistant Professor, ME, NITJ

Dr. Manoj Kumar, Assistant Professor, ME, NITJ

Dr. Nitin Sharma, Assistant Professor, ME, NITJ

Dr. Rajan, Assistant Professor, ME, NITJ

Dr. Sanjay Kumar, Assistant Professor, ME, NITJ

Dr. Satyender Singh, Assistant Professor, ME, NITJ

Dr. Dwesh Kumar, Assistant Professor, ME, NITJ

Dr. Saurabh Kango, Assistant Professor, ME, NITJ

Dr. Harpreet Singh, Assistant Professor, ME, NITJ

Dr Ravi Kant Ravi, Assistant Professor, ME, NITJ

### Convener:

Dr. Anand Vaz, Professor, ME, NIT Jalandhar

Dr. Subhash Chander, Professor, ME, NIT Jalandhar

Dr. Rajeev Kukreja, Associate Professor, ME, NIT Jalandhar

Dr. DK Shukla, Professor, ME, NIT Jalandhar

Dr. Pramod Kumar, Professor, ME, NIT Jalandhar

Dr. Raman Bedi, Professor, ME, NIT Jalandhar

Dr. SK Tiwari, Associate Professor, ME, NIT Jalandhar

Dr. R S Bharj, Associate Professor, ME, NIT Jalandhar

Dr. S.S. Sandhu, Associate Professor, ME, NIT Jalandhar

Er. Ajay Trehan, Associate Professor, ME, NIT Jalandhar

Dr. Dushyant Singh, Associate Professor, ME, NIT Jalandhar

### National Advisory Committee

- Prof. Inderdeep Singh, IIT Roorkee
- Prof. Shailesh Kundalwal, IIT Indore
- Prof. Navin Kumar, IIT Ropar
- Prof. SP Singh, IIT Delhi
- Prof. S. P. Singh, NIT Jalandhar

### Note for participants

- At least 1 author must present the paper in the conference for being considered for publication in proceedings.
- Certificates will be provided to each participant only during the valedictory ceremony.
- Online presentation option is available only for foreign participants.
- Fees once paid cannot be refunded.
- Best paper award will also be given.
- Papers will be published online within 3 months after.

### Address for Communication

Dr. Sumit Sharma / Dr. Ashok Kumar

Department of Mechanical Engineering,

Dr B R Ambedkar National Institute of Technology Jalandhar,

Punjab -144008

Phone: +91 -2690301/02, Ext: 3121

Mobile: +91-8146871758, +91-6239939218

Fax: +91 - 2690320

Email: [sharmas@nitj.ac.in](mailto:sharmas@nitj.ac.in), [icmse2025@nitj.ac.in](mailto:icmse2025@nitj.ac.in),

[baghaak@nitj.ac.in](mailto:baghaak@nitj.ac.in)

### Expert Talks



**Professor Tamal  
Banerjee,  
IIT Guwahati**



**Professor Ravi Mohan  
Prasad,  
IIT Ropar**

### Payment of Fees:

The fee payment should be made in the following account only through the link which has been given below.

Account Name: NITJ CCE

Account Number: 50100324249116

IFSC Code: HDFC0000046

Link for payment

[https://www.nitj.ac.in/events\\_registration/icmse2025/login](https://www.nitj.ac.in/events_registration/icmse2025/login)

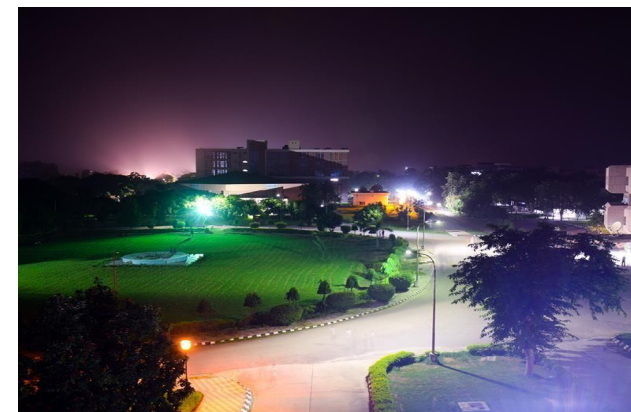
# SELF-SPONSORED 4<sup>TH</sup> INTERNATIONAL CONFERENCE ON MATERIALS SCIENCE & ENGINEERING

(Physical Mode)

JUNE 11-12, 2025



**IOP Conference Series**  
Proceedings services for science  
Materials Science and Engineering (MSE)



**Organized by:**

**Department of Mechanical Engineering  
Dr B R Ambedkar National Institute  
of Technology  
JALANDHAR-144008  
PUNJAB, INDIA**