CGC UNIVERSITY MOHALI
Shaping Tomorrow, Today

NAAC GRADE A+ ACCREDITED

International Conference on Mechanical Advances, Nanotechnology, and Environmental Sustainability (MANES-2026)

December 10-11, 2026 (Hybrid Mode)



CHIEF PATRON

Father of Education,
S. Rashpal Singh Dhaliwal
Chancellor, CGC University, Mohali

PATRON

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Managing Director, CGC University, Mohali

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Dr. Shivinder Singh
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Dr. Kamaljit Singh
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Department of Mechanical Engineering, CGC University, Mohali

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Department of Mechanical Engineering, CGC University, Mohali

CO-CONVENOR

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Associate Professor, CGC University, Mohali

Dr. Sahil Sharma
Assistant Professor,
Department of Mechanical Engineering, CGC University, Mohali

Organizing team

Dr. Sukhdeep Singh
Dr. Praveen Kumar
Mr. Kushdeep
Mr. Anikate Gupta
Mr. Sarabjit Singh
Ms. Sunita

ABOUT CGC UNIVERSITY, MOHALI

CGC University, Mohali was established in 2025 under the aegis of the Chandigarh Educational Society. Backed by a legacy of over 25+ years in delivering excellence in education, the institution has transformed into a full-fledged university while upholding its strong academic foundation and commitment to student success.

Under its previous identity as Chandigarh Group of Colleges, Jhanjeri, the institution earned the prestigious NAAC A+ accreditation with an impressive CGPA of 3.46/4.0, reflecting its high standards in teaching, research, and overall institutional performance.

With experienced faculty, modern infrastructure, and a commitment to innovation and student success, CGC University, Mohali aims to deliver quality higher education at affordable fees. It emphasizes holistic student development, practical learning, and industry readiness, making it a preferred destination for students across the country.

ABOUT MECHANICAL ENGINEERING DEPARTMENT

The Department of Mechanical Engineering at CGC University, Mohali is a center of excellence in technical education, innovation, and industry-oriented learning. The department offers undergraduate and postgraduate programs designed to provide students with a strong foundation in production and industrial engineering, thermal engineering, design, robotics, and emerging technologies. With a highly qualified faculty, modern laboratories, and a curriculum aligned with current industry requirements, the department is dedicated to nurturing competent engineers and researchers capable of addressing global engineering challenges. Beyond academics, the department actively promotes innovation, research, and entrepreneurship, preparing students to become future leaders in industries such as automotive, aerospace, energy, and manufacturing systems.

FOR MORE DETAILS ABOUT THE CONFERENCE PLEASE VISIT:

ABOUT THE CONFERENCE

The International Conference on Mechanical Advances, Nanotechnology, and Environmental Sustainability (MANES-2026) aims to bring together leading researchers, academicians, industry professionals, and practitioners from across the globe to share their research findings, innovative ideas, and practical experiences in the broad domain of latest mechanical innovations, nano enabled technologies, and sustainable environmental practices that are shaping the future of engineering and industry. The primary objective of MANES-2026 is to provide a platform for multidisciplinary dialogue, foster collaborative research, and promote advancements that address real-world challenges in energy, environment, manufacturing, transportation, and healthcare. The conference will highlight recent developments in heat transfer, fluid mechanics, thermodynamics, and energy systems, while exploring their integration with emerging areas such as artificial intelligence, machine learning, nanotechnology, and sustainable engineering solutions.

CALL FOR PAPERS

Researchers, academicians, and industry experts are invited to submit original articles within the scope of the conference topics. Every paper will undergo a peer review process, with evaluations based on originality, technical proficiency, in-depth content, and conference relevance. The accepted papers will be published in a Conference Proceedings (SCOPUS indexed). Submissions must be plagiarisms free and submission must be following the Policy on Double Submission. Papers for presentations should conform to the format and specifications. All submissions must be in English only. The paper submission link is given below:

FOR REGISTRATION, SCAN HERE

FOR ENQUIRY, PLEASE CONTACT AT:
manes@cgcuniversity.in
or 8283888156, 9988355000

Organized by: - Department of Mechanical Engineering & Advanced Centre of Research & Innovation, CGC University, Mohali, Punjab, India.

Mechanical Advances Nanotechnology, and Environmental Sustainability (MANES-2026)

Publication and Indexing

All accepted and presented papers will be considered for publication in reputed international conference proceedings or journals which are indexed in Scopus/Web of sciences, subject to publisher confirmation and quality requirements. Final publication details will be announced once formal agreements are confirmed.

All submissions are subject to rigorous peer review and must adhere strictly to academic integrity standards (maximum 10% plagiarism; 0% AI-generated content)

Extended versions of selected high-quality papers may be invited for journal publication, depending on scope and peer-review outcomes.

Important Dates

Registration Date	18-11-2026
Full-Length Paper Submission	25-11-2026
Registration for Participation only	05-12-2026
Acceptance Notification	30-11- 2026

CONFERENCE TRACKS:

Track 1: Advanced Manufacturing Design and Innovation

- Sustainable product design for circular economy
- Additive and hybrid manufacturing processes
- Digital twins and simulation-based mechanical design
- Integration of Industry 4.0 technologies in manufacturing

Track 2: Artificial Intelligence in Mechanical Systems

- AI-driven design optimization and generative engineering
- Predictive maintenance and fault detection in mechanical systems
- Machine learning for smart automation and robotics
- AI-enabled lifecycle and sustainability analysis

Track 3: Smart Automation and Robotics in Industry

- Intelligent robotics for precision manufacturing
- Automation for energy efficiency and waste reduction
- Human–machine collaboration in sustainable factories
- Autonomous systems for industrial sustainability

Track 4: Mechanical Advances for Sustainable Energy Systems

- Mechanical innovations in renewable energy (wind, solar, hydro)
- Energy-efficient thermal and fluid systems
- Mechanical solutions for environmental challenges (water, air, waste)
- Sustainable mobility and transportation systems

Track 5: Bio-Mechanical Engineering and Healthcare Applications

- Biomechanics in prosthetics and rehabilitation devices
- Nano-enabled biomedical materials for implants and drug delivery
- Mechanical systems in medical devices and diagnostics
- Sustainable bio-manufacturing and tissue engineering

Track 6: Nanomaterials for Environmental Sustainability

- Nano-enabled composites for lightweight, durable structures
- Nanotechnology in clean energy (solar cells, hydrogen storage)
- Nano-coatings for corrosion resistance and pollution control
- Nanomaterials for water purification and environmental remediation

Track 7: Green Manufacturing and Eco-Industrial Practices

- Sustainable manufacturing processes and recycling technologies
- Low-carbon industrial systems and waste minimization
- Integration of nanotechnology in green industrial practices
- Industrial symbiosis and circular economy approaches

Track 8: Environmental Engineering and Industrial Ecology

- Life cycle assessment of mechanical and Nano-systems
- Environmental impact mitigation through advanced engineering
- Policy frameworks for sustainable industrial development
- Smart monitoring systems for environmental sustainability