



IX International Conference

on

Sustainable Energy and Environmental Challenges (IX SEEC)

13th December 2024 to 15th December 2024

Organized by

**IIT Mandi Catalyst, Indian Institute of
Technology Mandi, India**



Under the auspices of

**International Society for Energy,
Environment and Sustainability (ISEES)**

About the Conference

The conference, IX SEEC, will promote research and outreach programs in India through scientific deliberations like keynote addresses and oral presentations. This conference will bring together engineers, scientists, researchers, students, and other professionals to address and discuss emerging sustainable energy and environmental issues. It will provide platforms for physicists, chemists, engineers, and biologists to participate in critical discussions in key areas of energy and environmental sciences. Environmental sciences research should contribute to understanding the recent major problems arising due to extensive agriculture, industrial, transportation, and urbanization activities and climate change in developing countries.

About the Organizing Institute

Indian Institute of Technology (IIT) Mandi is one of the eight second-generation IITs. It is located in Kamand Valley in Mandi district of Himachal Pradesh and its campus is on the left bank of the Uhl River, about 20 kms from Mandi city. IIT Mandi represents the combination of the picturesque location of Kamand and Salgi with technological prowess, creating an institution where brilliant and creative minds come together to learn, work, and play. Located a few hours before the Himalayan resort towns of Kullu and Manali in Himachal Pradesh, IIT Mandi's vision is to become a leading institute in science and technology education, knowledge creation, and innovation, contributing to an India striving for a just, inclusive, and sustainable society.

International Society for Energy, Environment and Sustainability

The International Society for Energy, Environment, and Sustainability was founded at IIT Kanpur in January 2014 to spread knowledge in Energy, Environment, Sustainability, and Combustion. The society aims to spread knowledge in the above-mentioned areas among people and make them more aware of the environmental challenges that the world is facing today. The Society is involved in various activities like workshops, seminars, conferences, etc. in the above-mentioned domains. The society also recognizes young scientists and engineers for their contributions in this field.

Organizing Committee

Patron: Prof. Laxmidhar Behera, Director, IIT Mandi, India

Conference Chair: Prof. Avinash Kumar Agarwal, Director, IIT Jodhpur

Conveners: Dr. Atul Dhar, IIT Mandi; Dr. Akhilendra Pratap Singh, IIT BHU

Co-Conveners:

Dr. Satvasheel Powar, IIT Mandi

Dr. Shyam Kumar Masakapalli, IIT Mandi

Dr. Gajendra Singh, IIT Mandi

Dr. Sarthak Nag, IIT Mandi

Dr. Sunita Varjani, UPES Dehradun

Conference Themes

Track A: Energy and Transportation

- Advanced Engine Technologies
- Alternative Transportation Fuels
- Combustion and Flames
- Atomization and Sprays
- Engine Combustion and Modelling, Simulation
- Engine Emissions and Control
- Coal & Biomass Combustion/ Gasification

Track B: Environment and Sustainability

- Air Pollution Monitoring
- Air Pollution Control
- Desalination and Wastewater Treatment
- Emerging Contaminants in the Environment: Monitoring and Degradation Challenges
- Solid Waste Management
- Renewable Energy Technologies
- Cleaner Technologies for Pollution Mitigation

Track C: Green Bioprocesses and Sustainable Developments

- Biotechnology for Energy, Environment, and Industrial Applications
- Biotechnology for Sustainable Development, SDGs and Bioeconomy
- Waste to Wealth
- Microbial Processes and Products
- Bioresources and Microbiology

Registration Fee

Category	Before 15 th October 2024	After 15 th October 2024
Students		
ISEES Members	Rs. 5000+18% GST (Rs. 5900)/ \$200	Rs. 6000+18% GST (Rs. 7080)/ \$250
Non-ISEES Students	Rs. 5000+18% GST (Rs. 5900)/\$250	Rs. 6000+18% GST (Rs. 7080)/\$300
Academicians/ Researchers		
ISEES Members	Rs. 8000+18% GST (Rs. 9440)/\$350	Rs. 9000+18% GST (Rs. 10620)/\$400
Non-ISEES Members	Rs. 10000+18% GST (Rs. 11800)/\$400	Rs. 11000+18% GST (Rs. 12980)/\$450
Industry Representatives		
Industry Representatives	Rs. 15000+18% GST (Rs.17700)/\$450	Rs. 18000+18% GST (Rs.21240)/\$500

(1) The conference registration fee includes:

- Access to all sessions
- Conference kit
- Coffee/ Tea during breaks
- Lunch during conference days and Conference Banquet Dinner
- Participation Certificate

(2) Registration charge for Accompanying person is Rs. 4000+18% GST (Rs. 4720).

(3) **Student Fee:** Students have to produce proper proof of their studentship at the time of final registration at the conference.

Travel and Accommodation

Accommodation:

Accommodation will be provided to all the invited speakers in the institute guest house. For participants, hostel accommodation will be provided. For more details, please visit the conference website.

Reaching Conference Venue:

IIT Mandi can be reached via road travel from Chandigarh (about 200 kms), which is well-connected by air from Delhi, Mumbai and several other major cities in India. Alternatively, one can travel to other nearby airports, viz., Kullu (56 km) and Dharamshala (130 km) from where one should travel by road to reach Mandi.

IX SEEC Contacts

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Conference Website: <https://www.isees.in/index/IX%20SEEC%20Website/Index.html>