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REGISTRATION

IMPORTANT DATES

Last date of Abstract submission: 15th March, 2026
Acceptance of Abstract: 20th March, 2026
Last date of Registration: 25th March, 2026

FEES

Indian National

- BTech and MTech Students: INR 2500/-
- Research Scholars: INR 6000/-
- Faculty Members and Post Doc: INR 8000/-
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For queries contact
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ICERSC '26
IIT MADRAS

International Conference on Energy and Resource Recovery for Sustainable Circular Economy (ICERSC 2026)

9–10 April 2026 | ICSR IIT Madras (Hybrid)

About the Conference

The International Conference on Energy and Resource Recovery for a Sustainable Circular Economy (ICERSC 2026) will be held on April 9-10, 2026 at the Indian Institute of Technology (IIT) Madras, Chennai. The event is being jointly organized by the Environmental Engineering Division, Department of Civil Engineering and the Department of Chemical Engineering, IITM

The ICERSC 2026 aims to bring together leading researchers, students, academicians, policymakers, and industrial experts to discuss innovations and strategies promoting a sustainable circular economy through energy transition and resource recovery. The conference will focus on integrating energy recovery technologies, waste valorisation, and renewable resource management to achieve net-zero and low-carbon goals in line with India's 2070 net-zero commitment.

Through keynote speeches, technical paper sessions, and panel discussions, the conference will serve as a platform to advance scientific collaboration, policy frameworks, and industrial partnerships. It will also facilitate interdisciplinary dialogue to enhance resource efficiency and sustainability-oriented innovation at both academic and industrial scales.

About IIT Madras

Indian Institute of Technology Madras (IIT Madras) is a premier institution of national importance, renowned for excellence in education, research, and innovation. Established in 1959, it fosters cutting-edge scholarship, global collaboration, and societal impact across engineering, science, humanities, and management.

Themes

Themes for Biochemical Technologies

- Novel and hybrid anaerobic process configurations and emerging technologies
- Microbial ecology, modelling, and control of anaerobic digestion
- Anaerobic treatment and co-digestion of industrial, municipal, and agricultural waste(water)
- Algae–microbiome interactions and integrated algal–anaerobic systems
- Digestate valorisation to bio-based fertilizers and high-value products
- Biogas production enhancement, upgrading, and end-use applications
- Micropollutants, WASH, and sustainability assessment of anaerobic systems
- Policy, circular bioeconomy, and advanced electron-transfer materials in anaerobic digestion

Themes for Thermochemical technologies

- Fundamentals, reaction kinetics, and degradation mechanisms in pyrolysis, gasification and HTC
- Analytical pyrolysis and material characterization
- Environmental and geochemical applications (microplastics, e wastes, geology, conservation)
- Food safety, authenticity, and forensic applications of pyrolysis
- Pyrolysis of biomass, algae, fossil resources, polymers, and e wastes for energy and recycling
- Reactive and catalytic pyrolysis, including hydro pyrolysis and sludge/biosolids treatment
- Reactor design, modelling, process integration, and product upgrading
- Biochar, added value products, CO_2 capture, and hydrothermal liquefaction

Other research areas related to energy and resource recovery from waste/wastewater/wastegas

PLACES TO VISIT