



NATIONAL FLAGSHIP CONFERENCE

SUSTAINX 2026

Circularity in Energy, Earth and Environment



CONFERENCE

July 24 - 25, 2026



VENUE

IIT Madras, Chennai



WORKSHOP

July 23, 2026



WEBSITE

sustainxconference.org



06

Core Sustainability Themes

03

Days of Immersive Insight

30+

Global Expert Speakers

We are proudly seeking participation from students, researchers, faculty, and industry professionals across India and the world to present cutting-edge research and perspectives in sustainable and circular energy transitions.

— SCHOOL OF SUSTAINABILITY · IIT MADRAS

THE VISION

Hosted by the prestigious School of Sustainability at IIT Madras, SustainX 2026 acts as a critical platform bridging academic rigor with industrial application. Our goal is to solve urgent global challenges in resource utilization, energy transition, and environmental preservation.

The transition to a circular economy is no longer optional. SustainX provides a unified scientific discipline to address these challenges comprehensively, ensuring that research directly translates into sustainable industrial practices.

WHO SHOULD ATTEND?

- ◆ **Academic Researchers & Postdocs** actively pursuing breakthroughs in circularity.
- ◆ **Graduate & Undergraduate Students** building a foundation in sustainability.
- ◆ **Industry Professionals & Engineers** looking to implement green technologies.
- ◆ **Policy Makers & Advocates** shaping the environmental framework.
- ◆ **Technology Innovators** in the clean energy and critical minerals sectors.

IIT MADRAS, CHENNAI

School of Sustainability

Recognized globally for technological excellence, IIT Madras continues to lead India's academic initiatives towards a sustainable, zero-emission future.

IMPORTANT DATES

CALL FOR ABSTRACTS CLOSURES	Refer to website
ACCEPTANCE NOTIFICATION	Refer to website
EARLY BIRD REGISTRATION ENDS	14 June 2026
STANDARD REGISTRATION OPENS	15 June 2026
PRE-CONFERENCE WORKSHOP	23 July 2026

CONFERENCE THEMES

SustainX 2026 invites innovative abstracts across six critical domains of sustainability. Submissions must align with one of the core thematic pillars outlined below.

1. AI-DRIVEN CIRCULAR SYSTEMS

Smart Decision Intelligence · Machine Learning · Predictive Maintenance · Intelligent Life-cycle Assessments · Resource Loop Optimization

2. CIRCULAR WATER TECHNOLOGIES

Sustainable Hydrosphere Management · Wastewater Valorization · Zero Liquid Discharge · Vital Ecosystem Protection

3. CIRCULAR ENERGY SYSTEMS

Carbon Resource Valorization · CO₂ Conversion · Renewable Energy Infrastructure · Emission Transformation

4. BATTERY INDUSTRY CIRCULARITY

Critical Minerals Recovery · Urban Mining · Secondary Raw Material Extraction · Life-cycle Extension for Advanced Architectures

5. CIRCULAR PLASTICS & POLYMER ECONOMY

Advanced Upcycling · Biodegradable Alternatives · Systemic Approaches to Eliminating Single-Use Waste

6. SUSTAINABLE INDUSTRIAL ECOSYSTEMS & GREEN SUPPLY CHAINS

Industrial Symbiosis Networks · Scope 3 Emission Tracking · Life Cycle Assessment · Circular Procurement · Eco-Industrial Parks · Green Supply Chain Management · Closed-Loop Resource Exchange

Note: Abstract presentations will be categorized into Oral and Poster formats based on peer-review evaluation and relevance to the themes.

PRE-CONFERENCE WORKSHOP

Four back-to-back workshops across a full day on **23 July 2026**, offering hands-on training across key domains of circularity. Each workshop is led by domain experts from IIT Madras and partner institutions. Limited seats – early registration recommended.

WORKSHOP 1 - AI IN CIRCULARITY

Conveners: Dr. Abhinav S. Raman & Dr. Mudit Dixit
 Smart Decision Intelligence · Machine Learning · Predictive Maintenance · Intelligent LCA
 → *For R&D teams exploring AI-driven process optimization & predictive analytics*

WORKSHOP 2 - ENERGY AUDIT & CIRCULARITY IN ENERGY SECTOR

Conveners: Dr. Nitin Muralidharan & Dr. Sreeram K Kalpathy
 Energy Efficiency Assessment · Carbon Footprint Analysis · Renewable Integration
 → *For energy managers, sustainability officers & facility planners*

WORKSHOP 3 - MULTISCALE MODELLING IN INDUSTRIAL PRACTICES

Conveners: Dr. Himanshu Goyal & Dr. Jayabrata Dhar
 Process Modelling · Simulation Tools · Data-Driven Optimization · Digital Twins
 → *For process engineers & simulation teams in chemical & materials industries*

WORKSHOP 4 - GREEN ECONOMY & SUSTAINABLE ENGINEERING

Convener: Dr. Santosh Kumar Sahu
 Circular Business Models · Sustainable Design · Life Cycle Assessment · Green Supply Chains
 → *For strategy professionals, ESG analysts & circular economy practitioners*

PANEL DISCUSSION – WRI INDIA

SPONSORED BY WORLD RESOURCES INSTITUTE



Closing the Battery Loop: Regulatory Enablers and Industry Pathways for Battery Circularity in India

A high-level expert panel convened by WRI India, bringing together policymakers, industry leaders, and researchers to examine the regulatory landscape, market drivers, and technological innovations shaping battery circularity in India.

Session Format

- Opening remarks by WRI India
- Moderated panel (60 min)
- Interactive Q&A with audience
- Networking & collaboration hour

Key Topics

- Extended Producer Responsibility (EPR) frameworks
- Battery recycling infrastructure & technology
- Secondary material markets & traceability

Outcomes

- Policy brief for state & central regulators
- Industry whitepaper on best practices
- Stakeholder network for battery circularity

Sponsor a Panel Discussion. You propose the topic, we produce the panel. Industry partners can recommend and sponsor a dedicated panel in their domain – battery circularity, green steel, carbon markets, or others. **Email:** centreforcircularity.iitm@gmail.com

INSTITUTIONAL PATRONAGE & ORGANIZING COMMITTEE



Prof. Kamakoti Veezhinathan
Director, IIT Madras
Conference Chief Patron



Prof. Rajnish Kumar
Head, School of Sustainability, IIT Madras
Patron



Dr. Sankha Karmakar
Asst. Professor, Chemical Eng., IIT Madras
Organizing Secretary

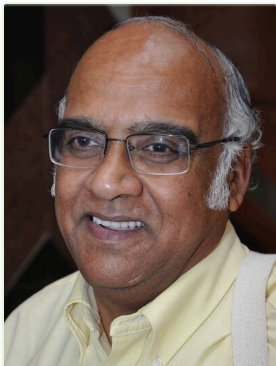


Dr. Nitin Muralidharan
Asst. Professor, Chemical Eng., IIT Madras
Organizing Committee



Dr. Sreeram K Kalpathy
Assoc. Professor, Metallurgical & Materials
Eng., IIT Madras
Organizing Committee

PLENARY, KEYNOTE, SPECIAL TALKS & DISTINGUISHED SPEAKERS



Prof. Sivaram Swaminathan
INSA Senior Scientist, IISER, Pune
Plenary Speaker



Prof. Madhavi Srinivasan
Executive Director, Energy Research Inst.,
NTU, Singapore
Keynote Speaker



Prof. Sirshendu De
Shanti Swarup Bhatnagar Awardee, IIT
Kharagpur
Keynote Speaker



Prof. Ashwin Mahalingam
Dean, Alumni & Corporate Relations, IIT
Madras
Special Address



Prof. Manu Santhanam
Dean, IC & SR, IIT Madras
Special Address



Prof. Satyanarayanan Seshadri
Head, Energy Consortium, IIT Madras
Thematic Address



Prof. Anbarasu Manivandan
Department of Electrical Engineering, IIT
Madras
Thematic Address



Prof. Indumathi M. Nambi
Professor, Civil Engineering, IIT Madras,
Chennai



Dr. Mamata Mohapatra
Chief Scientist, CSIR-IMMT, Bhubaneswar,
Odisha



Prof. Sirish Namilae
Professor, Aerospace Eng., Embry-Riddle
Aeronautical Univ., USA



Dr. R. Ratheesh
Director General, C-MET, Pune, Maharashtra



Dr. Vanchiappan Aravindan
Assoc. Professor, Chemistry, IISER Tirupati,
Andhra Pradesh



Mr. Romit Sen
Sr. Vice President, Sustainability, HSBC India

INVITED SPEAKERS



Dr. Ananth Govind Rajan
Assoc. Professor, Chemical Eng., IISc,
Bengaluru, Karnataka



Dr. Mrinmoy Mondal
Sr. Scientist, CSIR-CSMCRI, Bhavnagar,
Gujarat



Prof. Manali Pal
Asst. Professor, Civil Eng., NIT Warangal,
Telangana



Mr. KP Murthy
Founder, Clean Tech Clubs; Former Sr. GM,
BOSCH Limited



Prof. Anandhan Srinivasan
Professor, Metallurgical & Materials Eng.,
NITK Surathkal



Dr. Shilpi Kushwaha
Sr. Scientist, CSIR-CSMCRI, Bhavnagar,
Gujarat



Prof. Venkatasailanathan R.
Professor, Energy Science & Eng., IIT
Bombay, Maharashtra



Dr. Indrajit Chakraborty
Asst. Professor, Environmental Sci. & Eng.,
IIT Bombay



Dr. Sagar Sourav
Asst. Professor, Chemical Engineering, IIT
Madras



Dr. Pankaj Pathak
Assoc. Professor, Environmental Sci., SRM
University, AP



Dr. Sachin Mandavgane
Assoc. Professor, Chemical Eng., VNIT
Nagpur, Maharashtra

WORKSHOP – INVITED SPEAKERS



Dr. Abhinav S. Raman
Asst. Professor, Chemical Eng., IIT Madras
AI in Circularity



Dr. Mudit Dixit
Sr. Scientist, CSIR-CLRI, Chennai
AI in Circularity



Dr. Himanshu Goyal
Assoc. Professor, Chemical Eng., IIT Madras
Multiscale Modelling



Dr. Jayabrata Dhar
Asst. Professor, Mechanical Eng., NIT
Durgapur
Multiscale Modelling



Dr. Santosh Kumar Sahu
Assoc. Professor of Economics, IIT Madras
Green Economy

SustainX 2026 is the premier platform for organisations committed to the circular economy transition. Sponsorship delivers direct access to a curated audience of 200+ decision-makers – R&D heads, sustainability officers, policymakers, and researchers – across three days of intensive dialogue and collaboration.

200+ CURATED PARTICIPANTS	30+ GLOBAL EXPERT SPEAKERS	3 CONFERENCE DAYS	4 WORKSHOPS
-------------------------------------	--------------------------------------	-----------------------------	-----------------------

★

SILVER

₹1,00,000

Exhibition stall presence. Ideal for brand visibility among domain experts.

- ✓ Exhibition stall + standee
- ✓ 2 delegate passes
- ✗ Booklet advertisement
- ✗ Named session
- ✗ VIP access

SECURE SILVER

⚡

GOLD

₹2,00,000

Stall + printed visibility in conference booklet. Recommended for targeted reach.

- ✓ Exhibition stall + standee
- ✓ 4 delegate passes
- ✓ Booklet ad – Inside Back Cover
- ✗ Named session
- ✗ VIP access

SECURE GOLD

+ BEST VALUE

★

PLATINUM

₹3,00,000

Maximum impact – named session, VIP access, and full-page ad placement.

- ✓ Exhibition stall + standee
- ✓ Up to 10 delegate passes
- ✓ Full-page ad (IFC/OBC)
- ✓ Name a workshop or panel session
- ✓ VIP access to all sessions

SECURE PLATINUM

Why Sponsor?
 Showcase innovation • Recruit top talent • Influence policy • Network with 30+ global experts • Brand leadership in circular economy

Who Should Sponsor?
 Energy • Battery & materials • Waste management • Chemicals • Sustainability consulting • Technology & ESG firms

Sponsor a Panel Discussion. Propose and sponsor a panel in your domain – battery circularity, green steel, carbon markets, or others. **Email:** centreforcircularity.iitm@gmail.com

Visit our [website](https://sustainxconference.org) for the latest updates, speaker announcements, and registration details.

CONTACT INFORMATION

GENERAL QUERIES

Conference Secretariat

Centre for Resource Efficiency, Recyclability and Circularity in Energy Transition (CRRET)
 School of Sustainability
 Indian Institute of Technology Madras
 Chennai – 600 036, Tamil Nadu, India
Email: centreforcircularity.iitm@gmail.com

VENUE LOCATION

TTJ AUDITORIUM

ICSR Building, IIT Madras

The conference will be held at the state-of-the-art TTJ Auditorium located within the ICSR complex of the IIT Madras campus, offering a world-class environment for intellectual discourse.