IC-AMSTER

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World Scientific
Connecting Great Minds

MATERIAL AND EMERGING TECHNOLOGIES FOR SUSTAINABILITY

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International Conference on

Advanced Materials and Sustainable Technologies for Environmental Remediation

12-15 February, 2026

Venue:-
Convergence Academia Complex,
School of Environmental Sciences,
Mahatma Gandhi University,
Kottayam, Kerala, India

Important Date:-
Abstract submission &
Registration deadline: **30th December, 2025**

Organizing Committee

Convenor
C. T. Aravindakumar
Professor, School of Environmental Sciences
Mahatma Gandhi University

Coordinator
Usha K. Aravind
Professor, School of Environmental Studies
Cochin University of Science and Technology

For Registration

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Organized By,
Inter University Instrumentation Centre (IUIC) &
School of Environmental Sciences
Mahatma Gandhi Univerity, Kerala, India

Focus Areas:-

1. ADVANCED MATERIALS AND APPLICATIONS

Advanced Materials including 1D, 2D and 3D materials
Advancements in Separation Techniques
Sensor Materials
Materials for the Energy and Environmental Nexus
Membrane Separation Techniques
MOF and Related Separation Techniques
Membranes for Gas Purification and Separation
Nanomaterials for Pollutant Degradation

2. AIR, WATER, POLLUTANTS AND TOXICOLOGICAL IMPACT

Ambient, Indoor, and Occupational Air Monitoring
Sampling Gases, VOCs, Inorganic/Organic/Biological Aerosols and Particle-size Selection
Advances in Chromatography for Environmental and Toxicological Analysis
Emerging Contaminants (PFAS, Pharmaceuticals, Plasticisers, etc.)
Heavy Metals Analysis and Monitoring
Microbial and Biological Interactions with Pollutants
Sensors and IoT-based Air and Water Monitoring Networks
Nano-Catalysts, Membranes, and Hybrid Purification Systems
Carbon Sequestration and Air–Water Interface Dynamics
AI Tools for Monitoring Toxicological Assessment

3. ENVIRONMENTAL POLICY, REGULATION, AND PUBLIC HEALTH

International and National Regulatory Frameworks (EU REACH, EPA, CPCB)
Risk Communication and Pollution Governance
Pollution Control Laws and Community-Level Action
Sustainable Development Goals and Pollution Reduction
Environmental Justice and Pollution Burden on Vulnerable Populations

Call for papers

IC-AMSTER will feature plenary lectures, invited lectures, poster and oral presentations. A young investigators session is also included. One page abstract of the respective presentations are requested. Participants can also attend the conference without any Abstract contribution.

Speakers

* **Grzegorz Boczkaj,**
  Gdansk University of Technology, Poland
* **Suresh C. Pillai**
  Atlantic Technological University Ireland
* **Massimo Del Bubba,**
  University of Florence, Italy
* **Ahmad Zaharin Aris,**
  Universiti Putra Malaysia, Malaysia
* **Nidheesh P. V.,**
  CSIR NEERI- Nagpur, India
* **Sridhar S.,**
  CSIR-IICT- Hyderabad, India
* **Abdugani M. Azimov,**
  South Kazakhstan University, Kazakhstan
* **Gani M. Iztleuov,**
  South Kazakhstan University, Kazakhstan
* **Anastasia Penkova,**
  St. Petersburg State University, Russia
* **B. Neppolian,**
  SRM Institute of Science and Technology, India
* **Manoj P. R.,**
  GITAM University, Visakhapatnam, India
* **Satyajit Vishnu Shukla,**
  CSIR- NIIST, India
* **Sankha Karmakar,**
  IIT- Madras, India
* **Mohammed J. K. Bashir,**
  Central Queensland University, Australia
* **Richa Kothari**
  Central University of Jammu, India
* **Roland Kallenborn**
  Norwegian University of Life Sciences Norway
* **Saravanamuthu Vigneswaran,**
  University of Technology, Australia
* **Sunil Mittal,**
  Central University of Punjab India
* **Laura Clarizia,**
  University of Naples Federico II, Italy
* **Vítor J. P. Vilar,**
  University of Porto Portugal
* **Jakub Gajewski,**
  University of Stellenbosch, South Africa
* **Ligy Philip,**
  IIT- Madras, India
* **Ramaswamy Babu Rajendran,**
  Bharathidasan University, India
* **Mohd Shahrul Mohd Nadzir,**
  National University of Malaysia, Malaysia
* **Eldho T.I.,**
  IIT- Bombay, India
* **Raja Shunmugam,**
  IISER- Kolkata, India
* **Sandhya Babel,**
  Thammasat University Thailand

***List not completed**