

# International Conference on Sustainable Technologies for Energy and Environment (ICSTEE – 2025)



27 – 29<sup>th</sup> November 2025

Jointly organized by

**PSG Institute of Advanced Studies, Coimbatore**

**ECS - IIT Madras Students Chapter, IIT Madras**

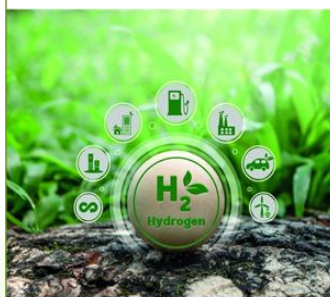


## CONFERENCE THEMES

**Energy Conversion and Storage**



**Environmental Remediation and Water Treatment Technologies**



**Carbon Capture, Utilization and Storage**



Register @



### 27<sup>th</sup> Nov. 2025 : Pre-Conference Workshops

- Charge Craft: Advanced Electrochemistry with Hands-on Electri-organic Synthesis, Battery Testing and EIS (*ECS-IIT Madras Students Chapter*)
- Electron Microscopy (*PSGIAS*)
- Zebrafish Model for Environmental Risk Assessment (*PSGIAS*)



**PSG Convention Center  
PSG iTech Campus, Neelambur,  
Coimbatore**



## About the Conference

As the world grapples with the challenges of climate change, environmental degradation, and rising energy demands, the need for innovative solutions has never been more pressing. The global push for sustainability calls for urgent action, and technological innovation lies at the heart of these efforts. This international conference on “Sustainable Technologies for Energy and Environment” aims to bring together thought leaders, researchers, industry experts, and policymakers to explore cutting-edge technologies that are shaping the future of energy production, consumption, and environmental stewardship. The conference will explore the intersection of energy and the environment, focusing on how sustainable technologies can reduce carbon footprints, improve energy efficiency, and mitigate human impacts on the planet, while bringing together global experts to share knowledge and collaborate on solutions to sustainability challenges.

## About Us

### PSG Institute of Advanced Studies, Coimbatore

PSG Institute of Advanced Studies (PSGIAS) established by PSG and Sons Charities in 2006, is an accredited research institute affiliated to Anna University and Bharathiar University. The institution offers MPhil and PhD programs in Chemistry, Physics, Nanoscience, Biotechnology, and Nanobiotechnology. The Nanotech Research Innovation and Incubation centre (NRIIC) of PSGIAS is equipped with state-of-the-art research facilities focusing on specialized research domains, including energy storage devices, solar cells, sensors, nanostructured thin films and coatings, functional materials, plasmonic materials, thin film transistors, water treatment, tissue engineering etc. PSGIAS takes pride in undertaking prestigious projects funded by organizations like DST, SERB, DRDO, ONGC, CHT, DBT, ICMR, etc. Additionally, the institute actively promotes academic and industrial collaborations, fostering growth and advancements in the fields of research and technology. For further details see [www.psgias.ac.in](http://www.psgias.ac.in)

### ECS IITM Student Chapter, IIT Madras

The ECS Indian Institute of Technology Madras student chapter was founded on 25th October, 2022. The faculty advisors are Prof. Kothandaraman Ramanujam, Prof. Raghuram Chetty, Prof. Ramanathan S, and Prof. Raman Vedarajan and its current president is Ms. Rubi Choudhary (PhD Scholar from IITM). This chapter aims to create a platform for disseminating the knowledge of electrochemistry, tailored for energy conversion and storage systems, among student peers. The activities of the chapter include talks by eminent professors, industrial visits, and conducting workshops having both pedagogical lectures and hands-on. For further details see [www.ecsiitm.com](http://www.ecsiitm.com).



# Conference Themes

## Energy Conversion and Storage

- Fuel cells, batteries, supercapacitors and thermoelectric generators
- Advanced materials for energy storage
- Energy storage systems for renewable energy integration
- Green hydrogen production methods
- Advanced semiconductor technologies for energy conversion and storage
- Advanced computations and AI for energy conversion materials and devices



## Carbon Capture, Utilization, and Storage

- Carbon utilization and conversion to valuable products
- Direct air capture and CO<sub>2</sub> removal technologies
- CCUS in industrial applications and usage of AI
- Storage technologies for carbon sequestration
- Biological CO<sub>2</sub> sequestration



## Environmental Remediation and Water Treatment Technologies

- Advanced materials for pollutant removal
- Water purification technologies and desalination
- Wastewater treatment and resource recovery
- Sustainable solutions for soil and air pollution
- Innovations in environmental monitoring and data-driven remediation
- Advanced sensors for air, water and bioanalytes
- Surface and ground water contamination



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International Delegates	USD 600			
Students/Research Scholars	4130	2950	4720	3540
Faculty/Scientists	6490	4720	7080	5310
Industry Delegates	8260	7080	8850	7670

For submission of abstracts, please visit : <https://www.psgias.ac.in/conference/abstract.html>

☐ Your registration unlocks

- A Certificate
- A Conference Kit
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- Visit to ISHA Yoga Centre on 30<sup>th</sup> November, 2025

**Limited Seats Available!!!**

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### Important Dates

**Submission of Abstract deadline:** 15<sup>th</sup> November, 2025  
**Acceptance of Abstract** : 17<sup>th</sup> November, 2025  
**Early-Bird Registration starts** : 1<sup>st</sup> July, 2025  
**Early-Bird Registration Ends** : 20<sup>th</sup> November, 2025  
**Late Registration Ends** : 25<sup>th</sup> November, 2025

### Contact

Email: [icstee2025@gmail.com](mailto:icstee2025@gmail.com)

**For further updates,**  
 visit the website: <https://www.psgias.ac.in/conference/index.html>





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## Sponsorship Details

The networking with the speakers from India and abroad, participants from various industries, researchers from academic institutes will be the added benefit from this conference. Exhibition of the products during this conference will help the industrial participants to appreciate the state-of-art technologies in this field. We invite industries to become a sponsor for the event.

The sponsorship fees are as follows:

- (i) **Platinum sponsor : Rs. 3,00,000/-**
- (ii) **Gold sponsor : Rs. 2,00,000/-**
- (iii) **Silver sponsors : Rs. 1,00,000/-**

Other minor sponsorship heads are as below:

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3	Advertisement materials in conference kit	20,000
4	Souvenir Advertisement (front cover inside)	20,000
5	Souvenir Advertisement (back cover inside)	15,000
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10	Souvenir	45,000

- Note: \*Only two banners (size 60cm x 100cm) can be accommodated on "first come, first serve" basis.
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- For Item 4 - 8, content should be sent in soft copy to [icstee2025@gmail.com](mailto:icstee2025@gmail.com) and the hard copy should be attached to the form.
- We can provide space for the stall during the program, if needed upon prior request. The sponsorships will be acknowledged in the proceedings.





