

IEEE-International Conference on Advanced Materials for Sustainable Clean Energy and Healthcare Technologies 2026 (AMSCEHT-2026)
(Conference with IEEE Record Number #69651)
11-13 September 2026
(Hybrid Mode)

Special Session on

Special Session 01: Advanced Materials and Intelligent Technologies for Sustainable Energy and Healthcare systems

Organized & Co-Chaired by:



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CALL FOR PAPERS

The Special Session on “Advanced Materials and Intelligent Technologies for Sustainable Energy and Healthcare Systems” invites original research papers, case studies, and review articles addressing the latest advancements and emerging trends at the intersection of materials science, smart computing, energy systems, and healthcare technologies. Researchers, academicians, scientists, and industry professionals are encouraged to contribute innovative works highlighting the design, synthesis, characterization, and application of advanced materials and intelligent systems that drive sustainability and improve quality of life. Accepted papers will be published as part of the AMSCEHT 2026 Conference Proceedings, following peer review in accordance with conference publication standards.

TOPICS OF INTEREST, BUT NOT LIMITED TO:

This special session invites original research papers, case studies, and review articles on, but not limited to, the following topics:

1. Advanced materials for energy conversion, supercapacitors, and hydrogen storage.
2. Nanomaterials and nanostructures for biosensors and biomedical device applications.
3. Intelligent healthcare systems and smart medical devices for diagnostics and monitoring.
4. AI-driven materials design and computational modeling for sustainable innovations.
5. Green and eco-friendly materials for environmental and biomedical sustainability.
6. Hybrid materials and composites for multifunctional applications.
7. Bio-compatible and bio-inspired materials for regenerative medicine and drug delivery.
8. Smart energy systems integrating IoT and intelligent control mechanisms.
9. Renewable energy materials for solar, fuel cell, and battery technologies.
10. Environmental impact and life-cycle assessment of emerging materials and technologies.
11. Machine Learning in health care.

IMPORTANT DATES:

Paper submission opens: November 1, 2025

Paper submission closes: June 10, 2026

Paper acceptance notification: July 10, 2026

Registration deadline: July 20, 2026

Last Date of Camera-ready paper submission: August 10, 2026

Conference Date: 11-13 September 2026

(Note: Authors can register only after their papers have been accepted)

The detailed information can be found here:

Conference URL: <https://amsceht2026.opju.ac.in/>

Paper Submission Link: <https://cmt3.research.microsoft.com/AMSCEHT2026>

(Please Submit Under **Special Session 01: Advanced Materials and Intelligent Technologies for Sustainable Energy and Healthcare systems**

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