

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 08: Advanced Functional Materials and Integrated Technologies for Biosensors and Biomedical Devices

Organized & Co-Chaired by:



Dr. Sushma Dave
Professor , JIET Jodhpur, Rajasthan
Email: drsushmadave@gmail.com



Dr S Radhakrishnan,
Associate Professor, S R University
Warangal, Tamil Nadu
Email: s.rkn168@gmail.com

CALL FOR PAPERS

This special session focuses on recent advances in functional materials and integrated technologies for biosensors and biomedical devices. With the growing demand for personalized medicine, wearable healthcare, and point-of-care diagnostics, innovative material systems are essential to improve sensitivity, selectivity, stability, and biocompatibility of biomedical devices.

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:
Functional nanomaterials for biosensing. Smart and stimuli-responsive biomaterials. Flexible and wearable biomedical devices Implantable device materials.

- Microfluidic and lab-on-chip platforms
- Hybrid organic-inorganic material systems
- Biocompatible and biodegradable electronics
- AI-integrated sensing platforms
- 3D printed biomedical devices

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 08: Advanced Functional Materials and Integrated Technologies for Biosensors and Biomedical Devices

For query email: - drsushmadave@gmail.com