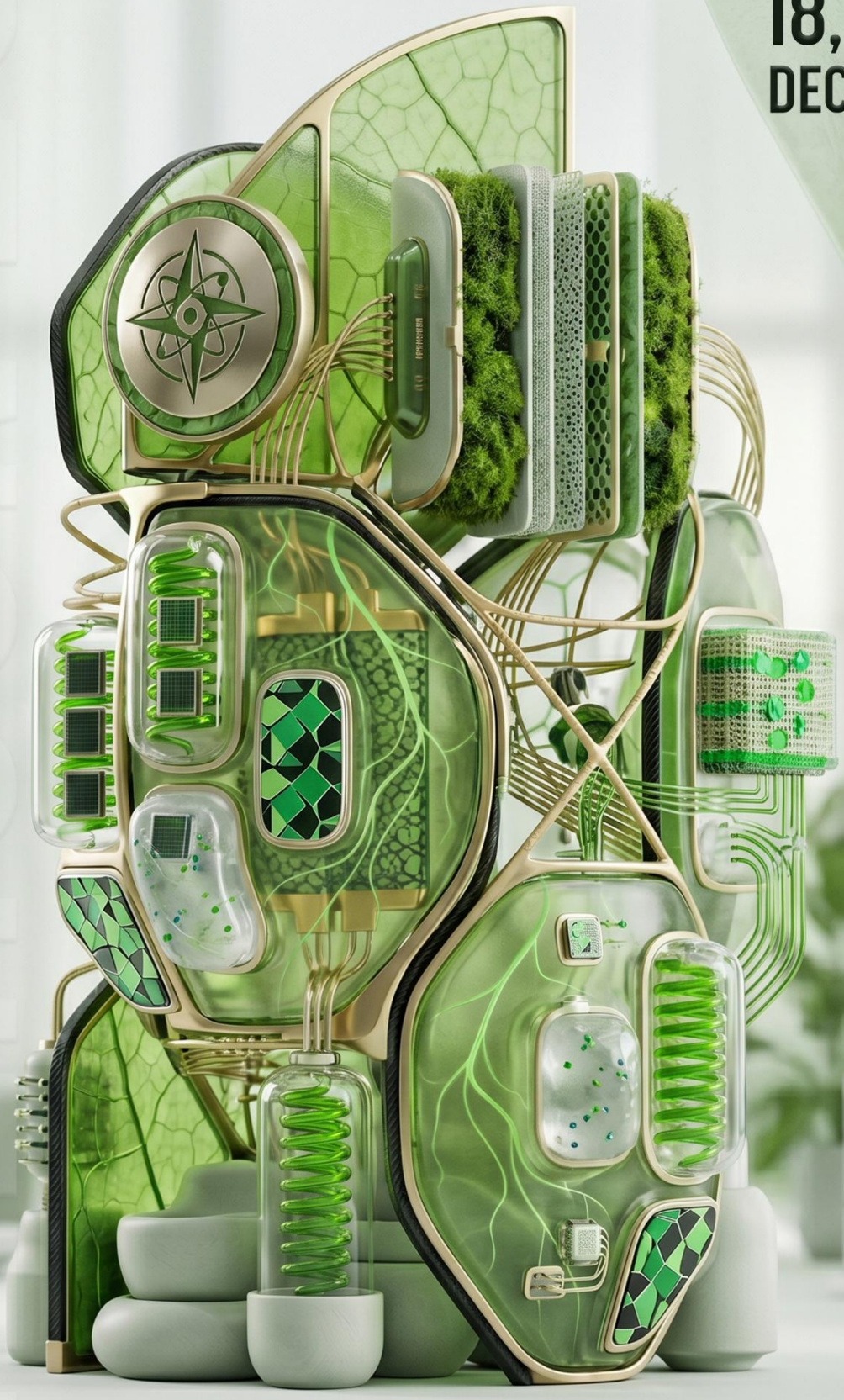
MEEHCON'26

18,19,20
DECEMBER
2026



INTERNATIONAL CONFERENCE ON MATERIALS FOR ENERGY, ENVIRONMENT AND HEALTHCARE '26

DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY CALICUT

CONFERENCE THEMES

- MATERIALS FOR ENERGY
- MATERIALS FOR ENVIRONMENT
- MATERIALS FOR HEALTHCARE

DATE AND VENUE



CONFERENCE HIGHLIGHTS

DISTINGUISHED SPEAKERS



PROF. DIPANKAR BANERJEE
IISC BANGALORE, INDIA



PROF. P.M. AJAYAN
RICE UNIVERSITY, USA



PROF. CHRISTIAN KÜBEL
KARLSRUHE INSTITUTE OF TECHNOLOGY, GERMANY



PROF. RAMAN SINGH
MONASH UNIVERSITY AUSTRALIA



PROF. M.R.ANANTHARAMAN
CUSAT, INDIA



PROF. M. M. SHAIJUMON
IISER TRIVANDRUM, INDIA



PROF. DEBJYOTI BANERJEE
TEXAS A&M UNIVERSITY, USA



PROF. N V RAVIKUMAR
IIT MADRAS, INDIA



PROF. S. KANAGARAJ
IIT GUWAHATI, INDIA



PROF. SARITH P SATHIAN
IIT MADRAS, INDIA



DR. MURUKESHAN VADAKKE MATHAM
NTU SINGAPORE



DR. RAJIB SAHU
DAE - SAHA INSTITUTE OF NUCLEAR PHYSICS, INDIA



DR. T. N. NARAYANAN
TIFR-HYDERABAD, INDIA



DR. PRADEEP K. G.
IIT MADRAS, INDIA



DR. SWATI SHARMA
IIT MANDI, INDIA



DR. DEVINDER YADAV
IIT PATNA, INDIA



DR. CHANDRA SEKHAR TIWARY
IIT KHARAGPUR, INDIA



DR. SAI RAMA KRISHNA M
IIT HYDERABAD, INDIA



DR. AJEET KUMAR SRIVASTAV
VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, INDIA



DR. JAN WEGNER
UNIVERSITY OF DUISBURG-ESSEN, GERMANY



DR. RAHUL M. R.
IIT (INDIAN SCHOOL OF MINES), DHANBAD, INDIA



DR. NIRAJ MOHAN CHAWAKE
IIT KANPUR, INDIA



DR. ERWIN FUHRER
JBMSHST, IIT GUWAHATI, INDIA



DR. MANGESH LODHE
MANIT BHOPAL, INDIA



DR. ABHISHEK SARKAR
IIT DELHI, INDIA

TECHNICAL SESSIONS — POSTER PRESENTATIONS — PANEL DISCUSSIONS

IMPORTANT DATES

DEADLINE

Abstract Submission Opens	25-APR-2026
Abstract Submission Ends	15-NOV-2026
Registration Starts	05-JULY-2026
Last Date Of Registration	15-NOV-2026

REGISTRATION FEES*

National Delegates						
	Offline			Online		
	Fee	GST	Total	Fee	GST	Total
Student	6000	1080	7080	8000	1440	9440
Academician/Researcher	8000	1440	9440	10000	1800	11800
Industry	11000	1980	12980	13000	2340	15340
Accompanying persons	5000	900	5900	-	-	-
Additional Oral/Poster Presentation by Registered Presenting Author	2000	360	2360	2500	450	2950
International Delegates						
All foreign nationals	$ 300 (Including GST)					
Accompanying persons	$ 100 (Including GST)					

* The registration fee covers the conference kit, working lunches, and refreshments during the conference. It does not include travel, accomodation, or any other expenses, which must be arranged and bourne by the participants themselves.

TOPICS INCLUDED

- MATERIALS FOR SUSTAINABLE ENERGY
- MATERIALS FOR ENERGY STORAGE AND CONVERSION
- MATERIALS FOR ENVIRONMENTAL PROTECTION AND SUSTAINABILITY
- MATERIALS FOR HEALTHCARE AND BIOMEDICAL INNOVATIONS
- MATERIALS CHARACTERIZATION AND ADVANCED MICROSCOPY
- MATERIALS MODELLING, SIMULATION AND DIGITAL MATERIALS DESIGN
- ADVANCED MATERIALS PROCESSING AND SMART MANUFACTURING
- MATERIALS FOR BIODEGRADABLE AND CIRCULAR ECONOMY APPLICATIONS
- STRUCTURAL AND FUNCTIONAL MATERIALS FOR EXTREME ENVIRONMENTS
- ADVANCED CERAMICS, COMPOSITES AND LIGHTWEIGHT MATERIALS
- ELECTRONIC, PHOTONIC AND FUNCTIONAL MATERIALS
- MATERIALS FOR SENSORS, ELECTRONICS AND INTELLIGENT SYSTEMS
- MATERIALS FOR SUSTAINABLE INFRASTRUCTURE AND TRANSPORTATION
- MATERIALS FOR AEROSPACE, SPACE AND STRATEGIC APPLICATIONS
- EMERGING MATERIALS: AI, DATA-DRIVEN DESIGN AND INDUSTRY 4.0

CALL FOR PAPERS

MEEHCON'26 invites faculty, researchers, industrial participants and students to submit their original research work in Materials for Energy, Environment and Healthcare. The received manuscripts will be reviewed by a technical committee. The technical committee recommended papers only will be allowed to submit full-length articles for proceedings and special issues in reputed journals (SCI/SCIE/ESCI/Scopus/Web of Science) as per the journal policy. At least one of the authors must register per full-length paper.

The following are the proposed publication options available for the authors.

Book of Abstracts

All the abstracts presented in the conference will be included in the Book of Abstracts - International conference on Materials for Energy Environment and Healthcare - MEEHCON'26.

Conference proceedings: Springer proceedings book volume Functional Materials for Energy, Environment and Healthcare



Editors :

Prof. V. Sajith
Department of Materials Science and Engineering,
National Institute of Technology Calicut

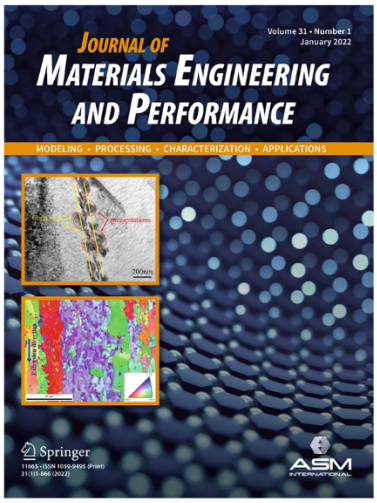
Dr. T. N. Narayanan
Tata Institute of Fundamental Research-Hyderabad

It is planned to publish the peer-reviewed and selected papers of conference as proceedings with Springer. The proceedings will be published after the conference. Only papers that are presented at the conference, either as an oral presentation or a poster presentation, will be considered for inclusion in the proceedings. The actual date of publication will be determined by the publisher.

For detailed instructions for author and editors of conference proceedings, kindly visit the following link :https://www.springer.com/us/authors-editors/conference-proceedings.

Submission of Abstract (ongoing)
Submission of full paper for review after abstract acceptance - 30th Sep 2026

Materials Processing, Characterization, and Performance for Energy, Environment, and Healthcare Applications: Selected Papers from MEEHCON '26



Journal: Journal of Materials Engineering and Performance

Guest Editors:

1. **Dr Aishwarya Bhaskar**
   CSIR–Central Electrochemical Research Institute (CECRI), Karaikudi
2. **Dr Shyam Kumar**
   Department of Materials Science and Engineering, National Institute of Technology Calicut
3. **Dr. Awin Wasan**
   CSIR–Central Glass and Ceramic Research Institute (CGCRI), Kolkata
4. **Dr. Hanas T**
   Department of Materials Science and Engineering, National Institute of Technology Calicut

Submission deadline: 15th March 2027

Focus on Advanced Materials for Energy, Environment and Healthcare
Published by : Materials Research Express



Editor-in-chief
Judy Wu, University of Kansas, USA

IOP Publishing

Focus on Advanced Materials for Energy, Environment and Healthcare

Impact factor 2.2

Guest Editors

Soney Varghese, *National Institute of Technology Calicut, India*
Deepalekshmi Ponnamma, *Qatar University, Qatar*
B Ratna Sunil, *Prince Mohammad Bin Fahd University, Saudi Arabia*
Devinder Yadav, *Indian Institute of Technology Patna, India*

Scope

The scope of the focus issue includes but is not limited to Energy Materials, Materials for Sustainable Development, Medical Materials, Advanced Characterisation of Functional Materials and Modelling and Simulation of Materials.

Submission deadline

1 May 2027

Submission process

Please submit your article via our online submission form, selecting the appropriate article type and choosing 'Focus on Advanced Functional Materials for Energy, Environment and Healthcare & Selected Papers from MEEHCON'26' from the drop-down menu.

SPONSORSHIP PLANS

1 PLATINUM ₹10,00,000
- Registration waiver for 4 attendees
- Company logo and organization's name in proceedings and site
- Exhibition space
- One speaker slot
- Promotional videos during breaks

2 DIAMOND ₹7,50,000
- Registration waiver for 3 attendees
- Company logo and organization's name in proceedings and site
- Exhibition space
- Promotional videos during breaks

3 GOLD ₹5,00,000
- Registration waiver for 2 attendees
- Company logo and organization's name in proceedings and site
- Exhibition space

4 SILVER ₹2,50,000
- Registration waiver for 2 attendees
- Company logo and organization's name in proceedings and site

OUR SPONSORS

Anusandhan National Research Foundation

KSCSTE

DRDO

ACS

ROYAL SOCIETY OF CHEMISTRY

About MEEHCON'26

Following the successful completion of MEEHCON'24, the Department of Materials Science and Engineering at the National Institute of Technology Calicut is organizing the International Conference on Materials for Energy, Environment, and Healthcare 2026 (MEEHCON '26). The conference scheduled on December 18th, 19th and 20th, 2026, aims to bring together leading academic scientists, researchers, research scholars and industrialists to exchange and share their experiences and research results on all aspects of Materials for Energy, Environment, and Healthcare. MEEHCON '26 provides a premier interdisciplinary platform to present and discuss the most recent innovations, trends, and concerns, as well as practical challenges encountered and solutions adopted in these fields. This event also emphasizes the importance of knowledge exchange and fostering collaborations among international institutions, promoting global advancements in materials science and engineering.

About NIT Calicut

National Institute of Technology Calicut (NITC) is one of the 31 institutions of national importance set up by an Act of Parliament namely the 'National Institute of technology Act 2007', and is fully funded by the Government of India. The mandate of the Institute is to provide higher technical education and conduct research in the various branches of Engineering, Science, Technology and Management. Originally established in 1961 as a Regional Engineering College (REC), it was transformed into National Institute of Technology in 2002. The Institute offers bachelors, masters and doctoral degree programs in Engineering, Science, Technology and Management.

About MSED@NITC

The Department of Materials Science and Engineering (Formerly School of Nano Science and Technology) at National Institute of Technology Calicut offers programs at the Bachelors, Master's and Doctoral levels, in various academic streams related to Materials Science and Engineering. The department also manages sponsored research projects from various funding agencies. The faculty, students and research scholars are involved in dedicated learning and research to explore, understand and improve materials and processes from a fundamental perspective. The varied interests of the department include study of nanoscale physical phenomena, materials for sustainable energy solutions, nanodevices, nanomaterials and composites, biosensors, targeted drug delivery systems, bio-implants, experimental research in nanoscale flow and heat transfer, optical measurements, combustion and nanoparticle fuel additives, synthesis of nanomaterials including carbon nanotubes, semiconductor materials for photovoltaics and optoelectronic devices, perovskite based emerging solar cells, discrete computational studies on nanoscale systems. The department also hosts a Centre for Characterization and Electron Microscopy.

ORGANIZING COMMITTEE

Patron

Prof. Prasad Krishna, Director, NIT Calicut

Chairman

Prof. C. B. Sobhan, Department of Materials Science and Engineering, NIT Calicut

Conveners

Dr. C.N. Shyam Kumar, Department of Materials Science and Engineering, NIT Calicut
Dr. Hanas T., Department of Materials Science and Engineering, NIT Calicut
Prof. Sajith V, Department of Materials Science and Engineering, NIT Calicut

Organizing Committee Members

Prof. M. M. Shaijumon, School of Physics, IISER Thiruvananthapuram
Dr. T. N. Narayanan, Tata Institute of Fundamental Research-Hyderabad
Prof. M R Anantharaman, UGC BSR Faculty Fellow, Department of Physics, CUSAT, Cochin
Dr. Paragkumar Thanki , Head - Research and Development at JSW Steel Coated Products Limited
Prof. N. Sandhyarani, Department of Materials Science and Engineering, NIT Calicut
Prof. Soney Varghese, Department of Materials Science and Engineering, NIT Calicut
Dr. Shijo Thomas, Department of Materials Science and Engineering, NIT Calicut
Dr. Vinod E Madhavan, Department of Materials Science and Engineering, NIT Calicut
Dr. Aparna Zagabathuni, Department of Materials Science and Engineering, NIT Calicut
Dr. Jeetu S Babu, Department of Materials Science and Engineering, NIT Calicut
Dr. Telagathoti Suresh Kumar, Department of Materials Science and Engineering, NIT Calicut
Dr. Ditty Dixon, School of Chemical Sciences, MG University, Kerala
Dr. Chandra Sekhar Tiwary, Metallurgical and Materials Engineering, IIT Kharagpur
Dr. Rahul M R, Department of Fuel, Minerals and Metallurgical Engineering, IIT (ISM) Dhanbad
Dr. Jaya Jacob, Scientist, Kerala State Council for Science, Technology and Environment
Dr. Sharu B. K., Department of Mechanical Engineering, NIT Calicut
Dr. Arun Babu K., Department of Mechanical Engineering, NIT Calicut
Dr. Mohammed Rashad K, Department of Mechanical Engineering, NIT Calicut
Dr. Fathima Fasmin, Department of Chemical Engineering, NIT Calicut
Dr. Sujith Kumar C. S., Department of Mechanical Engineering, NIT Calicut

CONTACT INFORMATION

meehcon2026@nitc.ac.in

www.meehcon.com

+91 9446 991 191

SCAN FOR MORE DETAILS

FOLLOW US!