



Stay Ahead

BANNARI AMMAN INSTITUTE OF TECHNOLOGY

An Autonomous Institution, Affiliated to Anna University,
Approved by AICTE, Accredited by NAAC with 'A+' Grade

National Conference on Innovations in Sustainable Materials (NCISM - 2025) (Hybrid Mode)

Organized by **Department of Chemistry**

07 February 2025

Bannari Amman Institute of Technology

Bannari Amman Institute of Technology is an autonomous, self-financing engineering college approved by AICTE, New Delhi, and affiliated to Anna University, Chennai. Located on the banks of the river Bhavani, BIT offers 12 UG, 2 PG and MBA programmes, with 14 departments offering PhD programmes. The institute has well-established academic and research facilities with many state-of-the-art initiatives. The campus has excellent infrastructure built in collaboration with industry and research partners. The spacious and earth-connected buildings with their landscaped courtyards and pathways are designed to emphasise business ethics and the characteristics of an excellent learning centre. The campus houses well-planned academic blocks, computer centres, lecture halls, libraries, laboratories, conference rooms, staff quarters, residence halls and student centres.

About the Department

The Department of Chemistry, established in 1996, aims to provide a strong foundation in Science and Technology for undergraduate engineering students and to promote research in Applied Chemistry. With a team of well-qualified faculty members, including 15 doctorates, the department brings extensive expertise to both teaching and research. Its laboratories are equipped with advanced instruments to support research and education in diverse fields such as computational chemistry, nanoscience, biosensors, dye-sensitized solar cells, corrosion, polymer science, inorganic complexes, fluorescent dye materials, liquid crystals, and supramolecular chemistry. Additionally, the department has organized numerous seminars, workshops, and faculty development programs, all supported by various funding agencies. It has also undertaken funded research projects with support from DST, CSIR, and BRNS. Recognized as a research center by Anna University, Chennai, the department is authorized to guide research scholars toward earning their Ph.D. degrees.

About the Programme & its Objectives

The National Conference on Innovations in Sustainable Materials aims to bring together researchers, scientists, academicians, and industry professionals to discuss the latest advancements in sustainable materials. This conference serves as a platform for exchanging ideas, showcasing innovative solutions, and fostering collaboration in sustainable practices to address global challenges. Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs. The drive for sustainability in materials science and technology encompasses alternative energy technologies to mitigate problems with fossil-fuel technologies, and to increase energy efficiency, as well as the mitigation of undesirable environmental impacts from technology and economic growth; the efficient use of materials, the formation of a healthy and safe environment, and many others.

Speakers



Dr P. Muthu Mareeswaran

Assistant Professor
Department of Chemistry
Anna University
Chennai - 600 0025



Dr. Murugadass K

Assistant Professor
Department of Physics
School of Physical Sciences
Amrita University, Coimbatore

Topics to be Covered

- Advanced Energy Materials
- Composite and Hybrid Materials
- Energy-Efficient Materials
- Nano Materials and Nanotechnology
- Sensors and Actuators
- Liquid Crystals
- Clean Energy
- Advanced Energy Materials
- Composite, Coating and Ceramic Materials
- Photovoltaics
- Green Chemistry
- Electrochemistry and Corrosion Science
- Optical/Electronic/Magnetic materials
- Electronic, Optical and Magnetic Materials
- Polymer Technology and Plastics
- Smart Hybrid Materials
- Batteries and Solid Electrolyte Materials
- Computational chemistry
- Other key topics

Committee

Advisory Committee :

Dr. C Palanisamy – Principal, BIT
Dr. K Sivakumar – Dean-PDS, BIT
Dr. K L Senthil Kumar – Head-Academics, BIT
Dr. M Ravikumar – Head-Infrastructure, BIT
Dr. T Rameshkumar – Head-IQAC, BIT
Dr. G Senthilkumar – Head-CoE, BIT
Dr. R Bharanikumar – Head-Skills, BIT
Dr. C Ganesh Babu – Head-R&D, BIT

Technical Committee

Dr. Sujay Chakravarty, Scientist-F, CSR-DAE, Kalpakkam Node
Prof. R Ramaraj, CSIR-Emeritus Scientist, MKU, Madurai
Prof. S Rajagopal, Former UGC-BSR Fellow, MKU, Madurai
Prof. Ch Subramanian, IIT, Hyderabad
Prof. Kothandaraman Ramanujam, IIT Madras
Prof. P Thanasekaran, Pondicherry University
Prof. S Anandan, NIT, Trichy
Prof. R Karvembu, NIT, Trichy
Prof. S Sarojadevi, Anna University, Chennai
Prof. K Senthil, VIT, Andhra Pradesh
Dr. Sudharsana Deepha, NIT, Andhra Pradesh
Dr. Sakthipandi K, SRM Group of Institutions, Tiruchirappalli

Organizing Committee

Convener :

Dr R Praveena, Head Department of Chemistry

Organizing Secretary :

Dr V Sathish, Assistant Professor Level III
Dr P Muthukumar, Assistant Professor Level II

Coordinator (s) :

Dr Deepha V, Assistant Professor
Dr Vijayanand P S, Associate Professor
Dr Subhapriya P, Associate Professor
Dr Kavitha C, Associate Professor
Lt. Dr Malathi Mahalingam, Associate Professor
Dr Viswanathan G, Assistant Professor Level II
Dr Murali Krishnan M, Assistant Professor Level II
Dr Rameshkumar A, Assistant Professor Level II
Dr Arulmani S, Assistant Professor Level II
Dr Karuppusamy S, Assistant Professor
Dr Jesin Beneto A, Assistant Professor
Dr Manigandan S, Assistant Professor

Abstract and Paper Submission Guidelines

ABSTRACT: The authors are requested to initially submit an abstract of 100-150 words covering the problem statement, objectives, methodology and findings of their research work. The title page should essentially contain the title, author details (full name and affiliation of all authors), abstract, key words (max. 5), and the contact information of the corresponding author. The abstract may be submitted using the link given below.

FULL PAPER: All accepted and registered abstracts will be published in the conference proceedings with ISBN registration. Further, upon acceptance of the abstract, the corresponding author may submit the full-length manuscript prepared in the given template as per the journal requirements. The selected papers will be proposed for publishing in good quality (Scopus/SCI indexed) journals based on the willingness of the authors. All papers submitted as per the guidelines will undergo double-blinded peer review and the acceptance will be based on the relevance, originality, contribution, validity, and presentation. Based on the recommendation from the editorial board, the camera-ready paper must be submitted for final acceptance.

Journals for Publication:

- Indian Journal of Engineering, Science & Technology (IJEST)
- Chemical Physics Impact (Communicated)

Registration: <https://bit.ly/3OJ8cU2>



Conference Registration Details

The registration fee should be paid through Online payment mode with the following details.

A/C Name : BIT - Centre for Advanced Studies
A/C No. : 911010036862582
Account Type: Savings Account
Branch : Axis Bank, Sathyamangalam
IFSC Code : UTIB0000368

Fee Details

Presenting Paper

UG & PG Students : INR 300
Research Scholars : INR 400
Faculty : INR 500
Industry Delegates : INR 750

Participation only

UG & PG Students, Research Scholars and Faculty : INR 200
Industry Delegates : INR 300

Important Dates

Last Date for Submission of Abstract: 30.01.2025
Last Date for online Registration: 31.01.2025

For Further Details Please contact

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