

MANNAR THIRUMALAI NAICKER COLLEGE

(Autonomous)





International Conference on

EMERGING TRENDS IN PHYSICS, ENERGY STORAGE MATERIALS AND NANOTECHNOLOGY (ICEPEN 2025)

(Hybrid Mode)

3rd & 4th February 2025

Organized by

PG & RESEARCH DEPARTMENT OF PHYSICS Mannar Thirumalai Naicker College (Autonomous) Madurai - 625 004

GREETINGS!

We cordially invite you to the International Conference on "Emerging Trends in Physics, Energy Storage Materials and Nanotechnology (ICEPEN 2025)" scheduled on 3rd & 4th February 2025 at Mannar Thirumalai Naicker College (Autonomous), Madurai, Tamilnadu, India.

ABOUT THE COLLEGE

"Mannar Thirumalai Naicker College" was established in 1974. In the Golden Jubilee year, the college is reaccredited and bestowed with 'A+' Grade (CGPA 3.34) by NAAC in 2024. The college enjoys Autonomy status which paves the way for having not only the academic freedom but also the flexibility in functioning at all levels. The college offers 19 Under Graduate programmes, 8 Post Graduate programmes and 5 Ph.D programmes under various disciplines of interest to the students. At present, 3,594 students are pursuing higher education, served by 188 Teaching Faculty and 88 Administrative Staff, working with commitment and devotion to scale the institution on par excellence with the best institutions of the state.



ABOUT THE DEPARTMENT

The Department of Physics was established in 1979 with a laboratory to teach Physics as an ancillary subject for B.Sc., Mathematics students. Under Graduate Programme in Physics was started during 1988-1989 and the Physics laboratory is upgraded year by year to cater the needs of change in the syllabus. The Laboratory is equipped with advanced equipment. All the classrooms are enabled with ICT facilities. Post Graduate programme in Physics was established during 2018-2019 under Self-Financed Stream. Our department Research centre was established during 2022-2023.

About ICEPEN-2025

The International Conference on Emerging Trends in Physics, Energy Storage materials & Nanotechnology (**ICEPEN 2025**) will be held on 3rd & 4th February, 2025, at Mannar Thirumalai Naicker College, Madurai, Tamilnadu, India. This conference is an international event focused on the advanced level exposure in various fields of research such as X-ray Crystallography, Material Science, Spectroscopy, Energy storage, Nanotechnology, Bio-Materials. It is a premier gathering for researchers, industry professionals, and innovators to explore the latest advancements their applications across various fields. It is aimed at bringing together leading academicians, researchers, scientists, practitioners and professionals and provide them a platform to exchange their newest research findings, experiences and views on diverse areas of Physics. The conference includes prompt keynote Speakers, presentations, oral talks and poster presentations in the related topics.



- Reynote & Invited Speakers - 19999999999999



Dr. S.T.SENTHILKUMAR Center for Advanced Materials Research (CAMR) University of Sharjah, Sharjah, UAE



Dr. K.SAMANTH

Research Professor, Dept. of Chemical Engineering, Sungkyunkwan University, Suwon, Gyeonggi-do, Korea



Dr. Eng. DENI SHIDQI KHAERUDINI

Senior Research Scientist at Research Center for Physics (RCP) **Deputy of Engineering Sciences** Indonesian Institute of Sciences (LIPI), Indonesia



Research Professor, University of Quebec at Trois-Rivieres, Green Hydrogen Laboratory, Canada



Dr. M. ULAGANATHAN

Department of Physics Amrita School of Physical Sciences Amrita Vishwa Vidyapeetham Coimbatore, India



Research Scientist, Photovoltaic Devices Laboratory SSN Research Centre, SSN Institutions Kalavakkam, Chennai, Tamil Nadu



Dr. G. MURUGADOSS

Associate Professor (Research) Centre for Nanoscience & Nanotechnology, Sathyabama Institute of Science and Technology (Deemed to be University) Jeppiaar Nagar, Rajiv Gandhi Road, Chennai, Tamilnadu, India



Dr. A.KATHIRVEL

Research Associate, **Department of Physics Indian Institute of Technology** Madras



Dr. MADHU CHENNABASAPPA

Associate Professor, Department of Physics Sri Jayachamarajendra College of Engineering JSS Science and Technology University, Mysuru, INDIA



Dr. P.S.SATHEESH KUMAR

Professor of Physics, Department of Physics NPR College of Engineering and Technology Natham, Dindigul, Tamilnadu, India

ADVISORY COMMITTEE

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Dr. Krishna Chandar NDepartment of Physics, School of Advanced Sciences, VIT University, Vellore, Tamil Nadu.

Dr. Mani V N Hindustan University, Chennai, Tamilnadu.

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Dr. Ramasamy PPresident, Indian Association for Crystal Growth,

Dr. Ramesh Babu RProfessor & Head, Department of Physics,

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Dr. Sathish Marappan CSIR- CECRI, Karaikudi, Tamilnadu

Dr. Suman Singh CSIR-CSIO, Chandigarh

Dr. Sundaram Chandrasekaran Guilin University, China

Dr. Sagayaraj PMeenakshi Academy of Higher Education and

Dr. Selvasekera Pandian Emeritus Professor, Bharathiyar University, and Director, Material Research Centre, Coimbatore, Tamilnadu

Dr. Sethuraman KProfessor and Head, Department of Materials Thiruvarur, Tamilnadu

Dr. Srinivasan K Department of Physics, Bharathiar University,

Dr. Suman Singh CSIR-CSIO, Chandigarh

Dr. Ting-Yu LiuDepartment of Materials Engineering, Ming Chi University of Technology, New Taipei City, Taiwan

Dr. Vadivel. MSchool of Physics and Optoelectronic
Engineering, Shandong University of Technology,

Dr. VelrajFormer Vice-Chancellor, Institute for Energy

Dr. Vijayakumar PInstitute of Power Engineering, Universiti Tenaga

Dr. Vijayan NCSIR-National Physical Laboratory, New Delhi

Presentation & Publication

- ☆ At least one author of each accepted paper must register and present their work during the Conference.
- Presentations will be conducted either in oral or poster format, based on the decision of the organizing committee.
- ☆ Accepted and presented papers will be included in the ICEPEN 2025 Conference Proceedings with ISBN
- Selected high-quality papers will be considered for publication in reputed Scopus Indexed Conference Proceedings / Journals @ Author's own cost.

fee link

 Paper submission format and
 https://drive.google.com/file/d/1eJcbJQ8lLZn
 YNY12MLJr3D-oYQGSdIFJ/view?usp=sharing

Guidelines for Abstract & Posters

: 250 words with 1.5 line spacing and corresponding Abstract

author should be highlighted bold

Font style and size: Times New Roman, 12

Line spacing : 1.5 : 3ft x 3 ft Poster size

Awards: Best oral and Poster presentations will be awarded.

IMPORTANT DATES

13th January 2025 **Abstract Submission**

: 24th January 2025 Acceptance intimation 30th January 2025 Last Date for Registration

REGISTRATION FEE

Faculty members : Rs.1000/

Research Scholars: Rs.750/-

UG & PG Students: Rs.400/-

: Rs.1500/-Industrialist



BANK DETAILS FOR REGISTRATION

Name R. Sangeetha 20335164095 Acc. No.

Bank Name : State Bank of India (SBI), Madurai.

IFSC SBIN0002254

Pasumalai, Madurai. **Branch**

LINK FOR REGISTRATION https://forms.gle/CMpQx4wXa82zogPg9

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Assistant Professor of Physics

Co-Convenors

Dr. G. Dhanalakshmi

Assistant Professor of Physics

Ms. N. Lakshmi Kruthika

Assistant Professor & Head of Chemistry

Executive Members of the Department

Dr. P.P. Kannan, Assistant Professor

Dr. N. Venkatesh Bharathi, Assistant Professor

Dr. R. Sindhan, Assistant Professor Dr. P. Hemalatha, Assistant Professor

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