VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)

iNEEBA-2025

Indo-South Korea-Thailand

ANRF sponsored 5th International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2025)

7 AFFORDABLE AND CLEAN ENERGY | 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE | 3 GOOD HEALTH AND WELL-BEING | 6 CLEAN WATER AND SANITATION | 13 CLIMATE ACTION

13th & 14th October 2025

Organized by

Vinayaka Mission's Kirupananda Variyar Arts and Science College
(A Constituent College of VMRF)
Salem, Tamil Nadu, India

In collaboration with

Core-Facility Center for Photochemistry & Nanomaterials, Research Institute of Advanced Chemistry(RIAC), Gyeongsang National University (GNU), South Korea
&
Department of Chemical Engineering Chulalongkorn University, Thailand



Publications:

Full papers will be published in scopus indexed journals after peer review process

Conference presenters can deliver their flash talks in hybrid mode

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VINAYAKA MISSION'S RESEARCH FOUNDATION

Vinayaka Mission's Research Foundation (VMRF) was established under Section 3 of the University Grants Commission (UGC) Act, 1956, and was founded in 1981 by the Founder-Chancellor, Dr. A. Shanmugasundaram. The Union Ministry of Human Resources Development conferred University status on Vinayaka Mission's Research Foundation (VMRF) in 2001. Vinayaka Mission's Research Foundation Deemed to be University (VMRFDU) is a pioneering and vibrant university offering a multi-cultural experience with an ambience marked by the perfect harmony of living in diversity. One of the biggest universities in India, VMRF boasts of the most diversified education in terms of the number of faculties, ranging from medicine, paramedicine, engineering and technology to management - almost the complete range of academic disciplines. The University main campus in Salem is truly a scenic marvel surrounded by mountains and a hallmark of the city. VMRFDU has 13 colleges and 11 Schools in four locations in Salem, Chengalpet, Pondicherry & Karaikal. All the Programs offered by VMRF(DU) are approved by respective statutory authorities. VMRF(DU) is Accredited by NAAC with 'A' grade and ranked in NIRF and ARIIA.



VINAYAKA MISSION'S KIRUPANANDA VARIYAR ARTS AND SCIENCE COLLEGE

Vinayaka Mission's Kirupananda Variyar Arts and Science College (VMKVASC), a Constituent College of Vinayaka Mission's Research Foundation Deemed to be University, Salem, serves the rural society by offering top quality education and inculcating the research and development attitude among student community. VMKVASC was started in 1995. The Institution offers 12 Under Graduate Courses, 5 Post Graduate Courses and Ph.D. Programme. The Institution is ISO 21001:2018 Certified Institution and recognized as top performing nodal centre for Virtual lab. Also, a centre with well-equipped instruments like Ultra Performance Liquid Chromatography (UPLC), Gas Chromatography (GC), DC power supply, etc is established for Research and Development in order to perform high quality research. In addition to the research, VMKVASC conducts several workshops, conferences at the National, and International levels, as well as training and awareness programmes on the latest developments.



GYEONGSANG NATIONAL UNIVERSITY

Gyeongsang National University (GNU) is the leading National University representing Gyeongnam in South Korea that creates a better future for mankind with the pioneering spirit of challenge and creativity.



GNU is renowned for its world-class research capabilities in Life Sciences, Aerospace, Mechanical Engineering, Nano and Advanced Materials. The university actively participates in various national-level projects and offers high quality education through a structured curriculum and creative convergence-based learning. Notably, in the Department of Chemistry, the Graduate School for Molecular Material Chemistry has been selected as a research platform under the 4th Stage Brain Korea 21 (BK21) project. This prestigious initiative supports the development of creative, future-oriented professionals capable of advancing regional growth and elevating national prestige on a global scale. GNUChem drives international-level research outcomes through strong collaborative efforts—both domestically and internationally—in areas such as eco-friendly nano-biomaterials, medical diagnostics, catalysis, and optoelectronic materials. The department is committed to cultivating high-caliber graduate students who will significantly contribute to national and regional advancements in science and technology. As a globally focused institution and a key national university, GNU fosters outstanding talent through innovative research and bold ideas—serving as a regional innovation platform and shaping a promising future for all.

CORE-FACILITY CENTER FOR PHOTOCHEMISTRY & NANOMATERIALS, GNU

e-CORE
CORE-FACILITY CENTER FOR PHOTOCHEMISTRY & NANOMATERIALS

Gyeongsang National University's (GNU) Core-Facility Center specialized in photochemistry and nanomaterials is a leading research infrastructure facility. The primary focus of the Centre is to provide world-class and highly sophisticated analytical instruments for advanced nanomaterials researches. The GNU Core-Facility Centre, supported by the Ministry of Education, Government of Korea, strengthens the R&D capacity of research institutes, creates an efficient research-oriented ecosystem, promotes joint research among researchers in the future, and further strengthens basic science research capacity. It also provides necessary solutions for all the research including pre-treatment process, data collection, data analysis, serves as a mentor for systematic analysis and research for the users. The centre has created an independent space according to the characteristics of the equipment. There are more than 30 instruments related to photochemistry



and nanomaterials, including X-ray diffraction, X-ray photoelectron spectroscopy, Raman spectroscopy, BET surface area analyzer, TGA/DTA thermal analyzer, GC-mass, High-performance liquid chromatography, Field-emission scanning electron microscope equipped with energy-dispersive X-ray spectrometer, ultra-low temperature laser fluorescence analyzer, laser ablation systems, etc. Through the Core-Facility Center, we will create a technological synergy to cope with the fourth industrial revolution in the future and contribute to innovative research.

DEPARTMENT OF CHEMICAL ENGINEERING, CHULALONGKORN UNIVERSITY

Chula
Chulalongkorn University

Chemical engineering discipline started at the Faculty of Engineering, Chulalongkorn University, as an Industrial Chemistry major under the administration of the department of Industrial Engineering in 1961. In the 1970s, to complement Thailand's vibrant agriculture-based economy, the Thai industrial sector strategically expanded into the petroleum and petrochemical industry. The Faculty had the foresight to formally set up the Department of Chemical Engineering in 1975: the department would provide a complete and up-to-date undergraduate curriculum and produce engineers qualified to meet many challenges of the upcoming industry. The department began to offer a Master's program in 1976 and, as one of its major milestones, the country's first Doctoral curriculum in 1989. The department's activities have continued to evolve, bringing many recognitions over the years. Our undergraduate curriculum was one of the firsts to be certified by the Thailand Accreditation Body for Engineering Education (TABEE) in 2017. The department has been acclaimed as a premier department in less than 5 decades, being ranked by the QS World University Ranking in both 2019 and 2020 to be the top Chemical Engineering Department in Thailand, the Top 5 in ASEAN, and the Top 101-150 in the world.



THE CONFERENCE - iNEEBA 2025

iNEEBA-2025

The 5th International Conference on Nanoscience and Nanotechnology for Energy, Environment and Biomedical Applications (iNEEBA-2025) will be held during October 13-14, 2025. This conference includes keynote lectures from eminent scientists across the world, oral presentation and poster presentation of various aspects of Nanoscience and Nanotechnology. The goal of the conference is to create a platform for materials scientists/physicists/chemists from academic institutions and industries around the world to present breakthroughs in their disciplines favorable to exchange ideas and scientific information. The conference will encompass the latest research advances in nanoscience and nanotechnology with a focus on energy, environment, and biomedical applications. It will highlight innovative approaches for sustainable energy generation and storage, environmental remediation, green technologies, advanced nanomaterials for healthcare, diagnostics, and therapeutics. Thus, the conference on nanomaterials will serve as a multidisciplinary venue for talks and deliberations. The iNEEBA 2025 invites abstracts and full-length manuscripts in the thematic areas of material science and biomaterials for oral/poster presentations and peer-reviewed publications.

CONFERENCE THEMES

- Advanced Materials
- Biomaterials
- Nanocomposites
- Polymers
- Thinfilms & Coatings
- Corrosion
- Energy storage materials
- Smart & Intelligent materials
- Materials Transport Phenomenon
- Fuel Cells
- Batteries
- Super capacitors
- Modelling and simulations
- Magnetic nanoparticles
- Photovoltaics & Photocatalysis
- Biotechnology
- Biomedical devices
- Nanotechnology in Food & agriculture
- Health care
- Sonochemistry
- Ultrasound-assisted process
- Industrial Safety and other relevant areas

ABSTRACT SUBMISSION

Abstract (not exceeding 250 words) can be submitted in a specified format available in the website. The last date for abstract submission is 30th Sep 2025

Abstract Template: https://bit.ly/3WvktPy

REGISTRATION FEES

Category	Till 10th Oct 2025	After 10th Oct 2025
Students (UG / PG)	INR 1200	INR 1500
Scientist/ Research Scholars/ Faculties	INR 1500	INR 2000
Industrialist	INR 2000	INR 2500
Foreign Delegate	USD 100	USD 120

*Fee includes admission to all sessions, refreshments, lunch, kit and certificate.

PAYMENT DETAILS

Account Name	:	Principal, Vinayaka Mission's Kirupananda Variyar Arts & Science College
Account Number	:	999012328
IFSC Code	:	IDIB000P221
Swift CODE	:	IDIBINBB
Branch Code	:	2409
Bank, Branch & Address	:	Indian Bank, Periyaseergapadi, Salem-636308



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CONVENERS

- Prof. Dr. V. Anbazhagan, Principal, VMKV Arts & Science College, Salem, India
- Prof. Dr. Myong Yong Choi, Director of Core-Facility Center for Photochemistry and Nanomaterials, GNU, South Korea
- Prof. Dr. Soorathep Kheawhom, Professor, Dept. of Chemical Engineering, Faculty of Engineering, Chulalongkorn University, Thailand

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» Prof. Muthupandian Ashokkumar, Assistant Deputy Vice Chancellor International at the University of Melbourne & Professor of Physical Chemistry and Head of School of Chemistry, University of Melbourne, Australia
» Prof. Anongnat Somwangthanaroj, Professor of Chemical Engineering, Chulalongkorn University, Thailand
» Prof. Pau-Loke show, Professor of Chemical Engineering, Khalifa University, Abu Dhabi
» Prof. Werner M Nau, Dean for Natural Science, Jacobs University, Bremen, Germany
» Prof. Ravindranathan Thampi, SFI Airtricity Professor of Solar Energy, Engineering, University College Dublin, Ireland
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» Dr. T. S. Shyju, Scientist-D, Sathyabama Institute of Science and Technology, Chennai, India
» Dr. Aruna Kumari M. L, Department of Chemistry, The Oxford College of Science, Bangalore, India
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» Dr. A. Pandikumar, Senior Scientist, CSIR - Central Electrochemical Research Institute (CECRI)
» Prof. Kaustubh R.S. Priolkar, Senior Professor of Physics, Goa University
» Prof. Dr. S. Manivannan, Department of Physics, National Institute of Technology,

Tiruchirappalli, India
» Dr. M. Karunakaran, Associate Professor, Department of Physics, Alagappa Government Arts College, Karaikudi, India
» Dr. Shankar Lal Garg, FRSC, FWRA, Ex Principal, Holkar Science College, Indore & Editor, Research Journal of Biotechnology

iNEEBA 2025 Awards: Chancellor's Award with Cash Prizes will be presented to the Best Presenters in three distinct categories: Energy, Environment, and Biomedical Applications

KEYNOTE SPEAKERS



Prof. Dr. Myong Yong Choi
Director of Core-Facility Center for Photochemistry and Nanomaterials, GNU, South Korea.



Prof. Dr. Soorathep Kheawhom
Professor of Chemical Engineering, Faculty of Engineering, Chulalongkorn University, Thailand.

INVITED SPEAKERS



Dr. J. Theerthagiri
Research Professor – Brain Pool Fellow, Core-Facility Center for Photochemistry and Nanomaterials, Department of Chemistry, GNU, South Korea.



Dr. Chanon Pornrungroj
Lecturer, Department of Chemical Engineering, Chulalongkorn University, Thailand



Dr. Suttipong Wannapaiboon
Scientist, Synchrotron Light Research Institute, Chulalongkorn University, Thailand



Dr. A. Pandikumar
Senior Scientist, CSIR-Central Electrochemical Research Institute, Karaikudi.



Dr. Wanwisa Limphirat
Scientist, Synchrotron Light Research Institute, Thailand.



Dr. Shankar Lal Garg
FRSC, FWRA, Ex Principal, Holkar Science College, Indore and Editor, Research Journal of Biotechnology



Dr. D. Kalpana
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Dr. S. Anandan
Scientist 'F', International Advanced Research Centre for Powder Metallurgy & New Materials (ARCI), Hyderabad, India



Dr. A. Nallasivam
Senior Principal Scientist, Pfizer Healthcare Pvt. Ltd., Chennai



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