

Events and Extension Activity

National Seminar on

NANOMATERIALS FOR SUSTAINABLE ENERGY AND ENVIRONMENTAL APPLICATIONS (SEEA-2025)

Date: 27.03.2025, Thursday, Time: 10.30 a.m.

Venue: 4th Floor, Sir C.V. Raman Conference Hall, Science Campus, Alagappa University, Karaikudi

The Department of Nanoscience and Technology, Alagappa University, was organized a National Seminar on “Nanomaterials for Sustainable Energy and Environmental Applications” (SEEA-2025) on March 27, 2025. The seminar commenced with a welcome address by Prof. P. Shakkthivel, Head of the Department of Nanoscience and Technology, Alagappa University. In his thematic address, he discussed the university’s commitment to cutting-edge research and the department’s role in advancing nanotechnology applications

The conference was presided over by the dynamic Registrar of Alagappa University, Prof. A. Senthilrajan. In his presidential address, he emphasized the importance of the wise use of energy and the eco-friendly disposal of waste. He highlighted the tremendous increase in energy consumption across household and industrial applications approximately a 20% rise in the past decade. By 2050, global energy demand is expected to increase by 30%, while in India, it is anticipated to triple from current level. He pointed out that emerging technologies such as nanotechnology can play a crucial role in meeting this growing demand while minimizing environmental impact. He further reiterated the significance of nanoscience and technology in improving human life and driving technological revolutions across industries, including medicine.

Dr. K. Balamurugan, Head of the Department of Biotechnology, provided insights into the advancements and development of science, emphasizing how nanotechnology is at the forefront of modern scientific breakthroughs. During his speech in the valedictory function, Dr. C. Balalakshmi proposed the welcome address, and Dr. N. Suganthi presented the seminar report and delivered the vote of thanks.



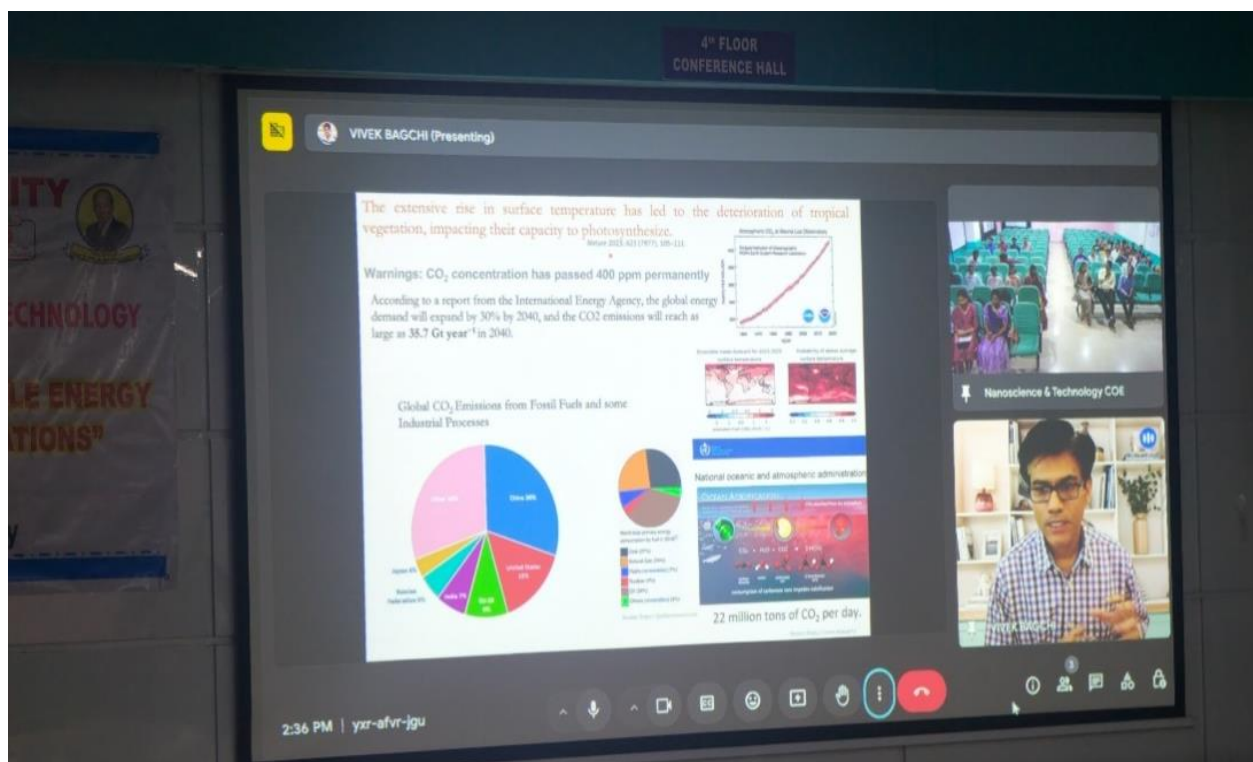
Prof. P. Shakkthivel, Head Department of Nanoscience and Technology, delivering the welcome address during the commencement of the seminar



Photograph of all the participants, delegates, and organizing members taken during the seminar.



Dr.P.Ragupathy, Senior Scientist at CSIR-CECRI, Karaikudi,delivering a lecture at SEEA-2025.



Dr. Vivek Bakchi, Scientist E at the Institute of Nanoscience and Technology- DST, Mohali, delivering an online presentation at the seminar.

Village Extension programme - 2025



INDUSTRIAL VISIT- 2025

Under the guidance of Vice-Chancellor and Registrar, Alagappa university Karaikudi, the Department of Nanoscience and Technology organised a field trip for the M.Sc. students (both I Year & II Year) on 24th (Friday) Oct 2025 to visit National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T). There were total of 25 students and 5 faculty members who went for the field trip. The purpose of the trip was to provide experiential learning and exposures to students which will help them have a better understanding of what they have learnt in their course.





INTERNSHIP

SCHOLARS



I am **G.MUTHUKUMAR**, Research Scholar (Reg. No: R20162368) doing Ph.D. under the guidance of Dr. P Shakkthivel, Professor and Head in the Department of Nanoscience and Technology, Alagappa University, Karaikudi. I have successfully completed TEEP sponsored Internship Program, Taiwan for six months (From 01.09.2024 to 28.02.2025) under the guidance of Prof. Chun-Chen Yang, Director, Battery Research Center of Green Energy (BRCGE), New Taipei city, Taiwan



N. Vijaya Raghavan, Research Scholar, Department of Nanoscience and Technology. He is working under the guidance of Dr. P. Shakkthivel, Sr. Prof. and Head, Department of Nanoscience and Technology, Alagappa University, Karaikudi. Has successfully completed the 3-month research internship opportunity from the TEEP@Asia Program under the supervision of Prof. Chung Chen Yang, Director of the Battery Research Center of Green Energy (BRCGE), Ming Chi University of Technology, Taiwan. Duration: May 2025– July 2025.



M.R.M. Suganathan, working for PhD with the guidance of Dr. N. Suganthy from the Department of Nanoscience and Technology, Alagappa University, undertook a 25-week Internship to the Department of Biomedical Sciences, College of Science, National Chung Cheng University (CCU), Taiwan, from 3 September 2025 to 25 February 2026, under the supervision of Prof. Cheng-I Lee.



M. Aarifa, working for PhD with the guidance of Dr. N. Suganthy from the Department of Nanoscience and Technology, Alagappa University, undertook a Guest Researcher to the Rutgers University, Newark, U.S. from August 2025 - July 2026, under the supervision of Dr.Ching on Wong



Miss Keerthana T, working for PhD with the guidance of Dr. R.Ramalingam from the Department of Nanoscience and Technology, Alagappa University, undertook a 12-week Internship to the Ming Chi University of Technology, Taipei, Taiwan, from 1st October 2025 to 31st December, 2025 under the supervision of Prof. Pin -Yi Chen

Internship by the M.Sc., Students



Ms.R. Parameswari, Pursuing M.Sc. II year, Department of Nanoscience and Technology, Alagappa University, Karaikudi undertook a 4 weeks Internship to the Department of Chemistry, Electrochemical energy conversion and storage Lab, SRM University, from 28 May 2025 to 30 June 2025, under the supervision of Prof.T. Maiyalagan.



Ms .K. Biruntha, Pursuing MSC II year, Department of Nanoscience and Technology, Alagappa University, Karaikudi undertook a 20 days Internship to the Department of Physics, Bharathiar University, Coimbatore from 26 May 2025 to 16 June 2025, under the supervision of Prof.K. Senthilkumar.



MR.Cheran working for Msc student with the guidance of Dr.C.Balalakshmi from the Department of Nanoscience and Technology, Alagappa University,

undertook a 10 weeks internship to the Department of Chemical Engineering, National Institute of Technology, Tiruchirappali, from 22 April 2025 to 24 June 2025, under the supervision of prof. G. Arthanareeswaran.