

19th - 21st December 2024



International Conference on Advanced Nanomaterials for Energy Storage Applications (ICANEA-2024)

REGISTER

Venue: K L University, Green Fields, Vaddeswaram, Guntur Dist. - 522 302. Andhra Pradesh, India.

Koneru Lakshmaiah Education Foundation (KLEF)



The Koneru Lakshmaiah Charity was established as a trust in the year 1980 with its official address is at Museum Road, Governerpet, Guntur District, Andhra Pradesh, India. It was started as KL College of Engineering in the Academic year 1980-81. KLEF was established in 1980-81, as KL College of Engineering, which was upgraded to KL College of Engineering Autonomous in 2006 by UGC and was declared as a Deemed to be University in 2009 by UGC, MHRD Govt. of India. NAAC assessed the University and accredited for a period of five years from 2018 to 2023 with CGPA of 3.57 with A++grade. In 2019 UGC, MHRD declared this intuition as Category 1 status. Research has taken a quantum step towards quality improvement through publishing in Scopus / SCI Indexed journals building an h-Index of 52 at the moment. KLEF has established an ecosystem to promote innovations including a center for Innovation, Incubation and Entrepreneurship development leading to start-ups in different disciplines. The university was also ranked 22 under NIRF 2024.



DEEMED TO BE UNIVERSITY)

About Department of Physics





Department of Physics

The Department of Physics was established in the year 1980. The department offers M.Sc Physics and M.Sc Nano Science & Technology, and Ph.D. program in interdisciplinary research areas. The department is functioning with 13 highly experienced and qualified doctoral faculty. Faculty are also having post-doctoral research experience from different countries. Research work in the department is being carried out in various fields like Materials Science, Solar renewable energy, Nanotechnology, Space and Atmospheric Science, Theoretical and Computational Physics, Ultrasonics and chemical thermodynamics. The department has 4 fully equipped sophisticated research labs of worth Rs. 3.5 crores. The department is recognized as DST-FIST Level 1 department with grant of Rs.107 lakhs funded by the Department of Science and Technology, Govt. of India, New Delhi. The department also has good number of sponsored research projects of worth Rs. 3 crores under different schemes such as DST woman scientist scheme, young scientist scheme, early career research award, SERB-Start up research grant, Core research grant and international travel support. Recently, the department of Physics and ECE bagged with a sponsored research project worth of Rs. 7 crores under DST-PURSE scheme to enhance infrastructure and research facilities in the university. The department has more than 350 research publications in highly reputed international journals with high impact factor. The department faculty have published 17 patents and book chapters. Faculty from the department awarded with Associate Fellow of A.P Academy of Sciences, Amaravathi. The department faculty recognized as Top 2% renowned scientist in the world awarded by the Stanford University, California, USA

Importance and Scope of the Conference



OBJECTIVE:

- (i) **Enhance Energy Storage Systems:** The conference aims to promote research and discussions on improving the efficiency, capacity, and performance of energy storage systems like batteries and supercapacitors using advanced nanomaterials. By focusing on the role of nanotechnology, the objective is to drive innovations that contribute to more sustainable energy storage solutions.
- (ii) **Foster Interdisciplinary Research:** One of the main goals is to bring together scientists, engineers, and industry professionals from various fields to facilitate interdisciplinary collaborations. By integrating knowledge from diverse disciplines, the conference seeks to explore new advancements and practical applications of nanomaterials in energy storage technologies.
- (iii) **Promote Sustainable Energy Solutions:** The conference strives to highlight the importance of developing sustainable nanomaterials that minimize environmental impact while addressing global energy challenges. The objective is to align research efforts with climate change goals, focusing on the potential of nanomaterials to contribute to renewable energy systems and energy-efficient technologies.

Organized by



Department of
Physics



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