



Department of
Physics

**45 YEARS OF
EDUCATIONAL
LEADERSHIP**

2025 NATIONAL IN-
STITUTIONAL
RANKING
FRAMEWORK

RANKED 26
AMONG ALL
UNIVERSITIES

I n t e r n a t i o n a l C o n f e r e n c e o n

Advanced Functional Materials & Quantum Sciences for Sustainable & Smart Technologies

(AFMQSST-2026)

2nd to 4th April - 2026

Koneru Lakshmaiah Education Foundation
(Deemed to be University)

Vaddeswaram- 522302, Andhra Pradesh, India.

<https://www.kluniversity.in/>

KONERU LAKSHMAIAH EDUCATION FOUNDATION (KLEF)

Koneru Lakshmaiah Education Foundation (KLEF) is a premier educational institution that was established as KL College of Engineering in 1980–81. Recognized as a Deemed to be University by the UGC in 2009, KLEF has consistently achieved top national and international rankings and accreditations. KLEF offers a diverse range of programs across various disciplines, fostering an environment of academic, research, and innovation excellence. With state-of-the-art infrastructure, distinguished faculty, and cutting-edge research, the institution is committed to creating the next generation of global leaders and professionals, with an emphasis on holistic development and global exposure. The institution's strong placement record, in collaboration with top companies worldwide, ensures that students are well-prepared to excel in their careers.

About 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 obtained Ph.D.'s from reputed National Institutions/Universities. Faculty are also having post-doctoral research experience from different countries over several years. 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, Ultrasonic's and chemical thermodynamics. The department had 4 fully equipped sophisticated research labs of worth Rs. 3.5 Crores. The department is recognized as DST-FIST Level I department with grant of Rs.107 lakhs funded by the Department of Science and Technology, Govt. of India, New Delhi. The department also granted with 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 published more than 500 research publications in highly reputed international journals with high impact factor. The department faculty have published 20 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

Objectives:

The objectives of the proposed International Conference "*Advanced Functional Materials and Quantum Sciences for Sustainable and Smart Technologies AFMQSST 2026*" is to create a conducive platform for researchers, scientists, engineers, and scholars to culminate these two fields to accelerate sustainable and technological breakthroughs. AFMQSST 2026 will try to exchange ideas on top notch research in designing and synthesizing novel functional materials with tailor made properties for addressing challenges in sustainability, like refining energy efficiency and resource management. AFMQSST 2026 will facilitate budding researchers to engage in knowledge-sharing, professional development, and exposure to world-class expertise. The conference will help to discuss the recent developments in quantum computing, sensing and communication, to transform sciences into sustainable and smart technologies. Through cross-disciplinary collaboration, we strive to turn groundbreaking scientific

insights into tangible innovations that benefit society. The goal of the conference is to design, to innovate, maximize material efficiency, and align with worldwide efforts to build a sustainable and intelligent tech-driven future.

Outcomes:

One of the basic outcomes of AFMQSST 2026 is to identify the emerging trends in the synthesis and design of novel advanced functional materials, those aimed in enhancing energy efficiency, environmental sustainability, and electronic performance. Along with the keynote speakers the participants can present their research studies and innovations in quantum materials, nanoscale devices, and hybrid systems that have potential applications in renewable energy, smart sensors, quantum computing, and next-generation communication technologies. The broad outcome of the conference is collaborative research consortia among participating universities and industry partners, resulting in submitting of joint proposals to both national and international funding agencies which will create a path for researchers and faculty members for getting internships and faculty exchange programmes among various laboratories. The purpose of this conference is publishing of research papers in high impact journals.

Call for Papers

AFMQSST 2026 invites full-length original research articles from faculty, scientist, research scholars, and industry professionals from across the world. Research articles and review papers not exceeding twelve pages in a single column format shall be submitted. The manuscripts should not have been published or under review in any of the journals or conference proceedings. Further, the manuscript should contain the name, e-mail id of the corresponding author and affiliation of co-authors. The organizing committee of the conference invites research manuscripts on the following areas and related topics

Themes:

- **Quantum Materials for Energy Systems and Sustainability**
- **Materials for Green Energy Conversion and Storage**
- **Materials Informatics and Artificial Intelligence in Materials Science**
- **Nanomaterials and Low-Dimensional Structures for Advanced Devices**
- **Bio-Functional and Quantum Materials for Health and Medicine**
- **Interdisciplinary Approaches to Energy Storage**

Publication

All the accepted papers will be published in conference proceedings with International Standard Book Number (ISBN) and selected papers will be published in SCI and SCOPUS indexed journals.

1. Journal of advanced research design (Q1, WoS, Scopus)
2. Proceedings on engineering sciences (Q3, WoS, Scopus)

Abstract Submission

Perspective authors are encouraged to present their original, unpublished research work, and the selected abstracts will be called for Oral presentations. Abstract up to 300 words in Times New Roman with font size 12pts, 1.5 line spacing may be submitted in .doc/.docx file with the author's name (presenting author name to be underlined), affiliation and corresponding author email ID, by 10th February 2026.

Submit your abstract to: afmqsst2025@kluniversity.in

Registration Fee includes:

- Registration Kit
- Access to all Keynote addresses and technical sessions (Hybrid Mode)
- Participation and presentation (poster/oral) certificates
- Nominal accommodation charges will be paid by participants; however, food facility will be catered by conference organizers

| Participation | Registration Fee | |
|-------------------|------------------|---------------|
| | National | International |
| Student | INR 500 | USD 15 |
| Research Scholar | INR 1000 | USD 25 |
| Faculty/Scientist | INR 1500 | USD 40 |
| Industry | INR 4000 | USD 50 |

Online Payment Details:

Account Name: KL University – Sponsored Research Funds / [KLU-SR-036]

Account No. : 62434363674

Bank Name: State Bank of India

Branch: Vaddeswaram

IFSC Code: SBIN0021361

Registration Link:

<https://forms.gle/CJpQBhF1p2xdP9Ak9>

(After the completion of Payment, register for the program through the given link with payment proof)

Important Dates

| | |
|------------------------------------|---|
| Last date for registration: | 10 th March 2026 |
| Last date for abstract submission: | 15 th March 2026 |
| Last date for paper submission: | 20 th March 2026 |
| Conference dates: | 2 nd to 4 th April 2026 |

For more information Contact

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Conference Website:

<https://www.kluniversity.in/physics/AFMQSST-2026/>

International Advisory committee

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Dr.Naveen Kumar, Assistant Professor, Physics.

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Dr Husnud Jahan, Assistant Professor, Physics.

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Dr. A Venkateswara Rao, Associate Professor, Physics.

Invited Speakers

International Speakers

Dr. Mohammed Sultan Al-Buriahi

Sakarya University, Turkey

Dr. Fadl Abdelmonem Essa & professor

Mechanical Engineering Department, Faculty of Engineering, Kafrelsheikh University, Egypt.

Dr. Ammar Elsheikh & professor

Renewable Energy, Tokyo University, Japan

Dr. Mohammad Nasir, Research Professor

Dankook University, South Korea
nasir2alig@gmail.com

Dr. Ateeq Ahmed, Research Professor

Smart Mobility Department, Kyungpook National University, Daegu, South Korea

Dr. Shiva Gorjian

Professor, Department of Biosystems Engineering and Department of Renewable Energy, Tarbiat Modares University (TMU), Tehran, Iran.

Dr Pavan Kumar Gondrala

Assistant Professor of Research, Chemistry & Biochemistry, The University of Texas.

National Speakers

Dr. Sai Santosh Kumar Raavi

Professor, Department of Physics, IIT Hyderabad.

Dr. Ch Subrahmanyam, Professor,
Department of Chemistry, IIT Hyderabad.

Dr D. Pamu

Professor, Indian Institute of Technology Guwahati

Dr. Y. Sundarayya

Professor, Department of Physics, Nagaland University.

Dr. V Vasu

Associate Professor, Department of Computational Physics, Madurai Kamaraj University.

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Associate Professor, Dept of Physics, IIT Tirupati

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Associate Professor, Dept of Physics, NIT Tiruchirapalli

Dr Anupam Mishra

assistant professor department of ceramic engineering NIT rourkela

Dr Pooja Punetha ,

Materials Engineering department IISc, Bangalore

nirf NATIONAL INSTITUTIONAL 2025 RANKING FRAMEWORK

(Ministry of Human Resource Development, Govt. of India)



Includes IIT's, IIM's, IIIT's, IISc, NIT, State & Central Govt. Institutions

nirf-Innovation
National Institutional Ranking Framework For Innovation
Ministry of Education, Government of India

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