Organizing Committee

1. **Prof. M K Jayaraj**, Vice-Chancellor, University of Calicut (Patron)
2. **Prof. M Nasser**, Pro Vice-Chancellor, University of Calicut (Co-patron)
3. **Prof. P P Pradyumnan**, Member Syndicate (Co-patron)
4. **Prof. Mohamed Shahin Thayyil**, Head Department of Physics (Chairman)
5. **Prof. Rajeev S Menon**, Head, Department of Chemistry
6. **Prof. S Sindhu**, Head, Department of Nanoscience and Technology
7. **Prof. Abraham Joseph**, Department of Chemistry (Mentor)
8. **Prof. Poovathinthodiyil Raveendran**, Department of Chemistry (Mentor)
9. **Dr. Shibu E S**, Department of Nanoscience and Technology (Convenor)
10. **Dr. Fazalurahman K**, Department of Chemistry (Convenor)
11. **Dr. Zuhail K P**, Department of Physics (Convenor)

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1. **Prof. T Pradeep**, IIT Madras
2. **Prof. K L Sebastian**, IISc Bangalore
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National Conference on Advanced Materials

NCAM 2024

27th June 2024
EMS Seminar Complex

School of Physical Sciences
University of Calicut

About NCAM

National Conference on Advanced Materials (NCAM 2024)" is organized by the School of Physical Sciences (Department of Physics, Chemistry and Nanoscience & Tech.), University of Calicut on June 27, 2024. The conference is organized as a honoring event to Prof. M K Jayaraj who is about to complete his tenure as the Vice-Chancellor of the University of Calicut. He has made enormous contributions in the area of materials science especially thin films, luminescence materials and energy materials.

This conference will play a pivotal role in shedding light on the recent advancements in Materials Science and in designing new strategies to meet the contemporary needs of society through sustainable development. The conference will have plenary lectures and invited talks by eminent scientists spanning the broad domain of Materials Science.

About University of Calicut

University of Calicut, the largest University in Kerala, was established in the year 1968. The University has been recently re-accredited by the NAAC with an A+ grade (3.45 CGPA) in the fourth cycle of the accreditation. With 37 post-graduate departments and 408 affiliated colleges, the University aims to excel in education and research in Kerala with a special focus on the Malabar region. The School of Physical Science includes the Department of Nanoscience and Technology, Chemistry and Physics with 33 faculties and around 120 researchers.

Program Schedule

10.00 AM - Welcome Address
Prof. Mohamed Shahin T
Chairman, NCAM 2024

10.05 AM – 10.20 AM - Brief out line of research life of Prof. M K Jayaraj
Prof. Aldrin Antony, CUSAT

10.20 AM – 11.10 AM - PL 1
Prof. M K Jayaraj
Hon. Vice Chancellor, UoC
"Metal oxide based artificial synapses for neuro morphic computing"

11.10 AM – 11.30 AM - Tea Break

11.30 AM -12.10 PM - IL 1
Padma Shri Prof. T Pradeep, IIT Madras
"Can water droplets make soil?"

12.10 PM – 12.50 PM - IL 2
Prof. P. S. Anil Kumar, IISc Bengaluru
"Quantum materials and heterostructures"

12.50 PM – 1.50 PM - Lunch Break

1.50 PM – 2.30 PM - IL 3
Dr. T. N. Narayanan, TIFR- Hyderabad
"Multifaceted MoS2 Crystals: Catalysis to Valleytronics"

2.30 PM – 3.20 PM - IL 4
Prof. Aldrin Antony, CUSAT
"Application of low dimensional materials in photovoltaics, sensors and nanozymes"

3.20 PM – 3.40 PM - Tea Break

3.40 PM – 5 PM - Valedictory/honouring function for Prof. M K Jayaraj (Hon. Vice Chancellor) & Prof. M Nasser (Hon. Pro Vice-Chancellor)