



SCIENCE ACADEMIES LECTURE WORKSHOP ON

“ CURRENT TRENDS IN CHEMISTRY ”



12 & 13 April 2024

(Physical Mode)

ORGANIZED BY

DEPARTMENT OF CHEMISTRY

KONGU ENGINEERING COLLEGE

PERUNDURAI -638060

ERODE, TAMILNADU



SCAN TO REGISTER



RESOURCE PERSONS



Dr. Mahesh Hariharan FASc.,
Professor, School of Chemistry
Indian Institute of Science Education and Research
Thiruvananthapuram, Kerala



Dr. S. Baskaran, FNA., FASc.,
Professor
Department of Chemistry
Indian Institute of Technology Madras



Dr. N. Dharmaraj
Professor
Department of Chemistry
Bharathiar University, Coimbatore



Dr. R. Karvembu
Professor
Department of Chemistry
National Institute of Technology, Trichy



Dr. Rajendiran Venugopal
Associate Professor
Department of Chemistry
Central University of Tamil Nadu, Tiruvarur

Date: 12.04.2024 (Day 1) & 13.04.2024 (Day 2)

| Session | Lecture topic | Speaker |
|---|--|--|
| 12/04/2024 Session I 9.30 am – 10.00 am & 10.00 am – 11.15 am | Inaugural & Keynote address & Molecular Spectroscopy (Electronic and Microwave -Theory) | Dr. Mahesh Hariharan FASc., Professor, School of Chemistry Indian Institute of Science Education and Research Thiruvananthapuram |
| Session II 11.30 am – 12.45 pm | Sustainable Catalysis for Biomass Conversions | Dr. R. Karvembu Professor Department of Chemistry National Institute of Technology Trichy-620 015 |
| Session III 2.00 pm – 3.15 pm | Molecular Spectroscopy (Infrared, NMR, Raman-Theory) | Dr. Mahesh Hariharan FASc., Professor, School of Chemistry Indian Institute of Science Education and Research Thiruvananthapuram |
| 13/04/2024 Session IV 10.00 am – 11.15 am | Pincer type Palladium(II) hydrazone complexes for organic synthesis. | Dr. N. Dharmaraj Professor Department of Chemistry Bharathiar University Coimbatore-641 046 |
| Session V 11.30 am – 12.45 pm | Design and Development of New Domino Reactions | Dr. S. Baskaran, FNA., FASc., Professor Department of Chemistry Indian Institute of Technology Madras Chennai-600036 |
| Session VI 2.00 pm – 3.15 pm | Mixed-Ligand Copper(II) Complexes as Promoting Cytotoxic Agents | Dr. Rajendiran Venugopal Associate Professor Department of Chemistry Central University of Tamil Nadu Tiruvarur – 610 005 |

ORGANIZING CONVENER

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ABOUT SCIENCE ACADEMIES

Indian Academy of Sciences (IAS), Bangalore founded in 1934 by Sir C.V. Raman, aims at promoting the progress and upholding the cause of science in the pure and applied branches. Its major activities include publication of scientific journals and special volumes, organizing meetings of the Fellowship and discussions on important topics, recognizing scientific talent, improvement of science education, and taking up other issues of concern to the scientific community. As part of the science education programmes, the Indian Academy of Sciences (IAS) Bangalore in association with the Indian National Science Academy (INSA), New Delhi and The National Academy of Sciences India (NASI), Prayagraj organize programmes for the improvement of science education in the Universities and Colleges throughout the country.

ABOUT THE COLLEGE

Kongu Engineering College, a leading research-oriented institution with excellent infrastructure facilities, is run by Kongu Vellalar Institute of Technology Trust [KVITT], Perundurai, Erode (TN). The Institution has a sprawling campus of 167 acres of land with a lush green landscape. The Institution has been rendering dedicated and yeoman service to the citizens of India and abroad for the past 36 years. It is an autonomous institution affiliated to Anna University. The college offers 17 UG programmes, 7 PG programmes and 15 research programmes in Engineering and Applied Sciences. It has an active industry institute partnership cell to interact with industries and also has a Technology Business Incubator (TBI), first of its kind in India, to nurture entrepreneurs in high tech areas.

ABOUT THE DEPARTMENT

The Department of Chemistry was established in 1984 and is equipped with the latest facilities and state-of-the-art infrastructure. The total faculty strength in the Department is 16, out of whom 13 are Doctorates. The Department is recognized as a Research Centre and it provides research facility leading to the award of the degree of Doctor of Philosophy. A separate research lab/testing centre is established in the Department to extend its facility to nearby industries through consultancy work in the field of water testing, heavy metal determination, food analysis and to solve any of their problems. Two UGC and one DST Funded research projects were completed in the department.

ABOUT THE WORKSHOP

Chemistry is the science that has helped us use both renewable and non-renewable resources to transform our lives. Chemists invent and design many of the materials that make items we use every day, from electronics to medicine. The subject of lecture workshop will mainly emphasize the potential needs for futuristic research in chemistry. Its objective is to provide a platform for the science students, engineering background students, few academicians, and few research scholars in order to stimulate their interest in knowing the current trends in chemistry and its applications.

GENERAL INSTRUCTIONS

Faculty Members handling Chemistry and UG/PG students of Science and Engineering can attend this workshop.

The number of participants is limited to 120 and hence registration is done on a First come First Served Basis.

Registration Fee: Rs.100/-

Last date for Registration: 09.04.2024

The selected participants will be intimated through their registered email and a separate Whatsapp Group formed for further intimations.