

CHIEF PATRON



Dr. N. Kalaiselvi
Director, CSIR-CECRI

ORGANISING COMMITTEE

Co-ordinator: Dr. J. Mathiyarasu

Co- Coordinators:

Dr. S. M. Rajendran
Dr. K. Giribabu

Organized by:

Electrodics and Electrocatalysis Division
CSIR-CECRI, Karaikudi



REGISTRATION FEES

There is NO Registration Fees.

FDP will be conducted through ONLINE mode.

ELIGIBILITY

The program is open to staff, personnel working in AICTE/UGC affiliated Institute/Universities i.e. Faculty Members, Research Scholar and PG Students.

SELECTION & CERTIFICATION CRITERIA

Selection will be done based on first-cum-first-served basis and the confirmed candidate will be notified on receipt of registration form latest by 16 November, 2021. The certificates shall be issued to those participants who have registered on ATAL portal www.aicteindia.org/atal and attend the program with minimum 80% attendance and score minimum 60% marks in the test. The test is compulsory for certification.

IMPORTANT DATES

Last date for submission of application:
16 November, 2021.

HOW TO APPLY

The participants have to submit duly filled registration form which is available on the link provided below on or before 16 November, 2021



FACULTY DEVELOPMENT PROGRAM (FDP)
Under AICTE Training & Learning
Academy (ATAL)

On
**Electroanalytical Techniques for
Bio-sensing Applications**

November 22 - 26, 2021



Sponsored by
AICTE , New Delhi



Organized by

Electrodics and Electrocatalysis Division
CSIR-Central Electrochemical
Research Institute (CECRI)
Karaikudi

ABOUT CSIR at a Glance

Council of Scientific and Industrial Research (CSIR), India, established in 1942, is an autonomous Society with the Prime Minister of India as its President. An ensemble of 37 state-of-the-art institutes and 3 distinct units, CSIR is amongst the foremost scientific and industrial research organizations in the world. CSIR's expertise and experience are embodied in its ~4600 scientists, ~8000 scientific and technical support personnel and ~8000 research students. Having sophisticated infrastructure and scientific and technical manpower, CSIR covers practically the entire spectrum of scientific and industrial R&D of national and international importance. This ranges from aerospace to ocean exploration, micro-electronics to structural and environmental engineering, smart affordable materials to mechatronics, petrochemicals to synthetic biology, and from robotics and micro machines to drugs, pharmaceuticals and energy technology.

ABOUT CECRI

On July 25, 1948, Karaikudi, a hitherto bleak and desolate village in Tamil Nadu, wore a festive look. A mammoth crowd of more than a lakh people gathered to witness the ushering in of a new era in Indian science. It was the day the CSIR-Central Electrochemical Research Institute (CSIRCECRI) was founded at Karaikudi. The institute took roots in the patriotic fervour of RM. Alagappa Chettiar, Pandit Jawaharlal Nehru and Dr. Shanthi Swarup Bhatnagar. Fast forward five years, on January 14, 1953, the institution became a reality when Dr. S. Radhakrishnan dedicated CSIR-CECRI, the 12th national laboratory under the Council of Scientific and Industrial Research (CSIR), to the nation. Laying the foundation stone of the institute, Pandit Nehru said, "... I believe that by such undertakings and by yoking science to public good we can advance the lot of the people of India enormously." Today, CSIRCECRI, a proud family of 700 members (120 of whom are scientists), is the largest research

establishment for electrochemistry in South Asia. It serves as a launching pad for a multitude of technologies for the Indian electrochemical industry. The 750 patents, 250 processes, 600 sponsored and grant-in-aid projects, 450 licensee and 5,500 research and review papers that the institute boasts of are ample testimony to its leadership in nation building. Naturally, reflecting on the fact that the inimitable Alagappa Chettiar donated 300 acres of land and Rs.15 lakhs in cash in 1948 to establish a national laboratory devoted solely to electrochemistry at a time when this branch of study was relegated to the flipside of the physical chemistry syllabi in universities, one cannot miss the rare philanthropy and foresightedness of this great visionary. Headquartered at Karaikudi, CSIR-CECRI has extension centres in Chennai, Mandapam and Tuticorin.

Focused Research Areas

- Corrosion Science and Engineering
- Electrochemical Power Sources
- Electrode and Electrocatalysis
- Electroplating and Metal Finishing
- Electrochemical Process Engineering
- Electro-organic and Materials Electrochemistry

CSIR-CECRI activities are directed towards the development of new and improved products and processes as well as innovations in electrochemical technology. Apart from engaging in basic and applied research, CSIR-CECRI assists the industry by conducting surveys and undertaking consultancy projects. The institute also conducts short-term refresher courses for the benefit of industrial houses and educational institutions. As part of its human resource development programme, CSIR-CECRI runs an unique B.Tech. course in Chemical and Electrochemical Engineering supported by the Anna University with the help of independent .

ABOUT FDP

This FDP programme aims to give an idea about fundamental aspects of electrochemical techniques, which are frequently used by researchers for sensors, catalysis, energy conversion etc.,. The wide spread of electrochemical techniques have been found in scientific domain due to the applicability of electrochemistry in various domains such as materials chemistry, biochemistry/physics, biological assays etc.,. On account of this, we wish to enlighten our academic teachers and researchers in the fundamental aspects of Electrochemical Concepts.

Topics

- Electrode Interfaces & Surfaces
- Electrode Functionalization
- Electrochemical Techniques
- Materials for Electrochemistry
- μ -electrodes & uses
- Electrochemiluminescence
- Biosensors & Assays
- Hyphenated techniques

CONTACT US

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