

SCIENTIFIC BACKGROUND AND SCOPE

The International Year of Chemistry -2011 (IYC- 2011) is an initiative of International Union of Pure and Applied Chemistry (IUPAC) and of the United Nations, Education, Scientific and Cultural Organization (UNESCO). The IYC-2011 is a global celebration of the achievement of chemistry and its contributions to the well-being of humankind. The main objectives are to increase public appreciation and understanding of chemistry in meeting world needs, encourage the youngsters to study chemistry, generate enthusiasm for a creative future of chemistry. Chemistry has interfaces with every aspect of life and every aspect of science, whether it is biology, medicine or advanced materials. In fact, without chemistry biology cannot progress. Half of materials science and nanotechnology is chemistry.

Electrochemical science and technology (ECST), conventionally considered to be a branch of chemistry, has made deep inroads in to other disciplines such as chemical engineering, materials science, metallurgy and biotechnology. This interdisciplinary nature has made Electrochemistry a vital component in application areas like energy generation and storage, corrosion, catalysis, bioanalysis, nanomaterials and sensors. It is interesting to recall the ever memorable words of **Professor Royce W. Murray**, "Electron and ion motions are, to say the least, a ubiquitous part of chemistry and the significance of new ways to measure them is unlikely to vanish any time soon, if ever". The various electroanalytical techniques are being refined to meet the challenges and demands of trace and ultratrace determination of various inorganic and organic constituents in the variety of samples including those from environmental and biological fluids.

The aim of this Conference is to provide a forum to electroanalytical scientists, engineers and technologists to discuss their recent research findings and information, learn from the mutual experiences and interests.

OBJECTIVES

In the conference lectures and deliberations will be held on following lines

1. Electrochemical technology as green technology for the quantification and treatment of organic compounds in the environment.
2. Solid phase extraction of pharmaceuticals and related compounds and their determination using electrochemical techniques.
3. Application of electrochemical techniques (Pulse, Differential Pulse, Square wave Adsorptive Stripping Voltammetry....) in pharmaceutical analysis.
4. Electro-oxidative degradation of pharmaceuticals & related compounds.
5. Kinetics of degradation of pharmaceuticals, organics and intermediates.
6. Chemical and bio-sensor

ELIGIBILITY

University and college teachers/students of Chemistry, Biology, Medicine and Agriculture, Scientists from R & D organizations.

REGISTRATION FEE

Participation fee is Rs. 1,000/- (For research scholar Rs. 500/-). It will include working lunch, tea and free accommodation. Completed response card should reach by December 3th 2011.

NATIONAL CONFERENCE

On

ADVANCES IN ELECTROANALYTICAL CHEMISTRY AND 4th ALUMNI MEET

December 23-24, 2011

RESPONSE CARD

Please fill, type or print in block letters and tick mark the appropriate boxes.

Full Name _____

Organisation or Institution _____

Department _____

Mailing Address _____

Country _____

Phone _____ Mobile _____

E-mail _____

Please Tick Below

- I am likely to attend the conference
- I intend to submit a paper
- I/We would like to participate in exhibition
- I/We would like to sponsor the Event/Sub-event.

Title of Paper _____

Major Theme _____

PATRON

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Vice Chancellor

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First Circular

National Conference

on

**ADVANCES IN
ELECTROANALYTICAL
CHEMISTRY
AND
4th ALUMNI MEET**

December 23-24, 2011



Organized by

**School of Studies in Chemistry and
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