American Journal of Analytical Chemistry (ISSN Online: 2156-8278)

Special Issue on Applied Electrochemistry

Call for Papers

A Special Issue of American Journal of Analytical Chemistry on Applied Electrochemistry (Practical Aspects of Electrochemistry) will cover all branches of electrochemistry, including both fundamental and application papers dealing with the following areas: Analytical Electrochemistry, Materials, and Processing, Electrochemical/Chemical Deposition and Etching, Electrochemical Synthesis and Engineering, and Processing, Corrosion, Passivation, and Anodic Films, Galvanic cells, Batteries, Fuel cells, Electroanalytical chemistry, Electrochemical sensors and biosensors, Sensors and important practical applications. The broad range of technologies includes industrial synthesis, environmental remediation, cell design, corrosion, electrochemical reaction engineering, medical applications of electrochemistry and bio-electrochemistry, the electrochemical treatment of effluents, hydrometallurgy, solid state electrochemistry, surface finishing, electrodeposition, sensors, applications of molecular electrochemistry. electrochemical batteries, accumulators and fuel cells, electrochemical mineral leaching, galvanic metal plating, electrochemical sensors, ion and electron transport in solid materials, electrocatalysis, photoelectrochemistry, corrosion of materials, electroanalysis, new electrochemical solid-state synthesis.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Applied Electrochemistry**.

Regular research papers are complete reports of new results, and their analysis and discussion.
Applied Electrochemistry invites submissions in subject areas including but not limited to:

- Experimental aspects of the mechanisms and kinetics of electrochemical reactions;
- Electrochemical generation of gases;
- Electrochemical reactions in cells;
- Electrosynthesis and electrocatalytic hydrogenation;
- Electrochemical reactions taking place at matrix-supported electrocatalysts;
- Electrode reactions occurring in electrochemical sensors;
- Electrochemical degradation of pollutants;
- Processes during electrochemical corrosion;
- Original results in the fields of science and technology of ionic motion;
- Experimental and practical work on electrolytes, electrode, ionic/electronic interfaces, corrosion and electrochromics.

This special issue is also devoted to electrochemical principles in biology and biological aspects of electrochemistry. It publishes experimental and theoretical papers dealing with the electrochemical aspects of: basic principles of biosensors, sensory systems for electric and magnetic fields, bioenergetics and signal transduction electrochemical applications in medicine and biotechnology and topics considered the research, development and applications of nanomaterials.

Authors should read over the journal's **Authors' Guidelines** carefully before submission, Prospective authors should submit an electronic copy of their complete manuscript through the journal **Paper Submission System**.

Please kindly notice that the "**Special Issue**" under your manuscript title is supposed to be specified and the re-

search field "**Special Issue — Applied Electrochemistry**" should be chosen during your submission.

According to the following timetable:

Manuscript Due	April 12th, 2013
Publication Date	June 2013

Special Issue Editor

Guest Editor:

Prof. **A. F. Dresviannikoff**;

For further questions or inquiries

Please contact Editorial Assistant at

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