Special Issue

Advances in Metal Materials: Electrochemical Characterization and Applications

Message from the Guest Editor

Applied electrochemistry uses numerous methods to progressively improve the quality of life via the study of charge transfer phenomena. Electroanalytical techniques provide unique information about mechanisms and systems that are currently involved in the necessary development of a broad range of technologies, including energy conversion, conservation and storage, new battery systems, supercapacitors, solar cells, industrial synthesis, corrosion, electroplating, electrodeposition, medical application, and sensors. Thus, this Special Issue aims to compile original and innovative studies on electrochemical characterization techniques that are frequently applied to perform electrochemical studies of metallic materials. All these techniques provide clear insight into the interfacial electrochemical behavior between electrode and electrolyte. Energy saving, corrosion prevention and health pose challenges to which electrochemistry can contribute. Additionally, corrosion and protection are among the subjects that requires attention since their mitigation can preserve resources in several industries.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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