Special Issue

Carbon-Based Materials for Electrochemical Applications

Message from the Guest Editors

In this Special Issue, we would like to collect high-quality papers on the topic of “Carbon-Based Materials for Electrochemical applications”. Carbon-based materials (CBMs) have become important in various fields, such as electronics, (bio)sensors, fuel cells, energy conversion/storage, remediation of pollutants, delivery tools, etc. This is due to their outstanding properties, such as large specific surface areas, high acid stability, high electrical and thermal conductivity, good biocompatibility, and anti-biofilm ability. This Special Issue covers the synthesis, characterization, and electrochemical application of any carbon-based material and its composites. We invite researchers to present original research papers (theoretical or experimental), reviews, or communications on carbon-based nanomaterials in different electrochemical applications. Original works must include the use of CBMs from graphite, carbon nanotubes, graphene and its derivatives, fullerenes, to biomass based on carbon.

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