

Special Issue

Synthesis and Electrochemical Properties of Transition Metal Nanomaterials

Message from the Guest Editors

The synthesis and application of nanomaterials are of great interest to researchers from different disciplines of science. This is because there is a continuous need to implement nanomaterials that can act as electrocatalysts, electrochemical sensors, and electrodes for batteries, fuel cells, and supercapacitors. This Special Issue will be focused on the synthesis of transition metal/metal oxide nanomaterials with a particular bent towards those containing carbon matrixes. The methods used in the preparation of nanomaterials need to be clearly presented. The characterization of the nanomaterials should reveal their unique structures that affect the properties that make them useful in electrocatalysts, electrochemical sensors, supercapacitors, batteries, and fuel cells. Finally, the study of the application of nanomaterials should be described in detail and compared with past work in the same field to assess the values of novel manufactured materials. The applications should mainly be in electrocatalysis and electrochemical sensors but can also be in electrodes for batteries, fuel cells, and supercapacitors.

Guest Editors

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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