Special Issue

Nanotechnology for Electrochemistry Applications

Message from the Guest Editors

Recent decades have witnessed significant advances in nanotechnology and nanostructured-based materials for electrochemical energy conversion and storage, biosensors, and photocatalysis. These advancements have enabled innovative breakthroughs in many and varied fields, such as energy devices, clinical diagnosis. food analysis, and environmental monitoring. Thus, the scope of this Special Issue is to provide a broad collection of the most recent research and review articles focusing on the synthesis of diverse nanostructured materials with potential applications within energy conversion and storage, biomedical sciences, and photocatalysis. This Special Issue aims to compile novel advances in nanotechnology in electrochemistry studies, with the primary emphasis on the synthesis of nanomaterials and their electrochemical- or photoelectrochemical-based applications. Topics include but are not limited to:

- Nano energy conversion and storage experiments and computational simulations;
- An experimental and modeling study of renewable energy production;
- Biosensors;
- Electrochemistry;
- Photoelectrochemistry.

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

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