Special Issue

Advances in Electrocatalysis, Electrosynthesis, and Electrochemical Applications

Message from the Guest Editors

The field of electrocatalysis and electrochemistry is at the forefront of scientific innovation, playing a pivotal role in the advancement of sustainable energy technologies, environmental remediation, and materials science. We are pleased to invite you to contribute to a Special Issue that is dedicated to the exploration and advancement of electrocatalysis, electrosynthesis, and electrochemical applications. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Various reactions of electrocatalysis and electrosynthesis (e.g., water splitting, fuel cells, CO2 electroreduction, biomass conversion);
- Novel materials for electrocatalysis and electrosynthesis;
- Mechanistic insights into electrochemical reactions;
- Environmental applications of electrochemistry (e.g., water treatment and NOx reduction);
- Energy storage and conversion technologies (e.g., batteries and supercapacitors);
- Electrochemical sensors and biosensors;
- Computational modeling and simulation of electrochemical processes.

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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