Special Issue

Nanomaterial Synthesis and Processing for Advanced Applications

Message from the Guest Editors

This Special Issue aims to review advances in nanomaterial synthesis and processing for advanced applications in the field of energy, environment, and health, as well as pave the way for future trends in this research field. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Electrochemical water splitting;
- Lithium-ion batteries;
- Zinc–air batteries;
- Hydrogen production by the photoelectrochemical method;
- Nitrogen, nitrate, and CO2 reduction reactions;
- Advancing environmental sensing and disaster response;
- Enhancing disaster response and environmental monitoring in coastal regions;
- Smart sensing solutions;
- Advancements in health monitoring: from wearables to integrated monitoring systems;
- Monitoring health in real time;
- Theoretical calculations (DFT, molecular dynamics, etc.).

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Impactful chemistry often arises from the marriage of disparate chemical themes and fundamental concepts to focus on an important application and can feature collaborations across the sciences, industry, and beyond. This open access journal, *AppliedChem*, has been created to provide a new home for chemistry research that affords wide-ranging and substantive solutions to current and future global challenges. The broad scope of the journal will enable the best collaborative and targeted chemistry to be exhibited and new applications to be revealed.

Editor-in-Chief

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