

Special Issue

Advanced Materials for Environmental and Energy Sustainability: Innovations for a Low-Carbon and Circular Future

Message from the Guest Editors

This Special Issue will explore the intersection of advanced materials, environmental applications, energy innovation, and sustainability science, highlighting interdisciplinary approaches that contribute to the development of sustainable technologies and solutions and research that addresses the design, development, characterization, and application of materials for pollution mitigation, efficient energy use, renewable energy generation, and climate impact reduction. We invite the submission of original research articles, reviews, and case studies focusing on innovative uses of functional materials, nanomaterials, polymer composites, bio-based or recycled materials, and hybrid systems in environmental remediation, energy systems, and sustainable processes. Topics of interest include, but are not limited to, the following:

- Functional materials for environmental remediation (air, water, and soil);
- Advanced materials for clean and renewable energy generation and storage;
- Bio-based, biodegradable, or recycled materials with sustainable applications;
- Materials for carbon capture, conversion, and utilization;
- Energy-efficient materials and processes..

Guest Editors

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About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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