

Special Issue

Sustainable Catalytic Materials for Energy Generation, Storage, and Environmental Applications

Message from the Guest Editors

The pursuit of sustainable solutions is paramount in addressing the global challenges of energy demand, climate change, and environmental degradation. This Special Issue in sustainable chemistry focuses on the innovative development and application of sustainable catalytic materials that drive advancements in energy generation, storage, and environmental remediation. We invite cutting-edge research that explores novel catalysts derived from abundant, non-toxic, and renewable resources, emphasizing green synthesis methods and lifecycle sustainability. By highlighting interdisciplinary approaches and breakthrough technologies, this Special Issue aims to advance the field of sustainable chemistry, fostering collaborations that contribute to a resilient and eco-friendly future. We seek contributions that not only demonstrate scientific excellence but also provide practical solutions for sustainable development.

Guest Editors

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

Editor-in-Chief

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