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Environmental Restoration Materials and Technologies

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Deadline for manuscript submissions:
closed (30 May 2025)

Message from the Guest Editors

We would like to invite all scientists, researchers and scholars in the field of environmentally functional nanomaterials, especially the participants of the China Materials Conference 2024 (https://www.mdpi.com/journal/nanomaterials/special_issues/XM to submit their original research papers and reviews to this Special Issue of Nanomaterials, entitled “Environmental Restoration Materials and Technologies”.

We are pleased to invite you to submit manuscripts on the preparation, characterization and application, such as adsorption, capacitive deionization, membrane filtration, catalytic degradation, and advanced oxidation, of environmentally functional nanomaterials.

This Special Issue aims to publish original research in the fields of new synthetic methods for known environmentally functional materials, discovery or modification of new environmentally functional materials, new pollution control or desalination mechanisms, and practical and conceptual enhancements of known technologies.

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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.

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