Special Issue

The Applications of Nanomaterials for the Treatment of Heavy Metal-Polluted Water and Soils

Message from the Guest Editor

This Special Issue on "The Applications of Advanced Nanomaterials for the Treatment of Heavy Metal-polluted Water and Soils" is dedicated to exploring the nuanced and intricate applications of nanotechnology in the realm of wastewater, polluted soils, and solid wastes. With a particular emphasis on sustainable waste management practices, this issue seeks to delve into the intricate methodologies and novel approaches that leverage nanomaterials to address the complex challenges associated with the treatment of heavy metals in wastewater, polluted soils, and solid wastes. Encompassing waste treatment, recycling processes, and remediation strategies, this Special Issue aims to present a comprehensive overview of the state-of-the-art developments in the field. Researchers are invited to contribute scholarly insights, innovative applications, and rigorous methodologies that showcase the potential of nanomaterials in revolutionizing waste management.
See more information in
https://www.mdpi.com/si/202542

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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