

Special Issue

Green Nanotechnologies for Water Remediation Processes

Message from the Guest Editors

The sustainable use of water resources and the application of technologies that ensure water supply for future generations are important challenges facing today's society, and, in particular, by the scientific community. There has been remarkable progress in nanotechnologies showing potential for water treatment and quality monitoring applications. This Special Issue is dedicated to this theme; more specifically, to developments in the synthesis, surface modification and properties of nanomaterials for various nanotechnologies associated with water quality analysis and purification. Examples of topics in line with the themes of this issue comprise the chemistry of nanosorbents, photocatalysis in water treatments, nanosensors for monitoring the chemical composition of water and the evaluation of the impact of nanomaterials on natural water resources.

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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.

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