Special Issue

Nanomaterials for Sustainable Water Remediation

Message from the Guest Editors

This Special Issue will emphasize the integration of nanomaterials into advanced water treatment systems, such as membrane separation, adsorption, photocatalysis, disinfection, and advanced oxidation processes. By highlighting both fundamental research and practical applications, this collection will foster collaboration among researchers to accelerate the translation of nanotechnology-driven solutions from the laboratory to real-world water treatment scenarios. In this Special Issue, original research articles and reviews are welcome. Research areas may include, but are not limited to, the following:

- Nanomaterial synthesis and characterization;
- Nanomaterials for contaminant removal;
- Environmental implications and safety considerations;
- Nano-enabled water treatment technologies;
- Innovative applications and emerging trends.

We look forward to receiving your contributions.

Guest Editors

Dr. Chongqing Wang

Dr. Grzegorz Boczkaj

Dr. Jianchao Wang

Deadline for manuscript submissions

closed (31 December 2024)

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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

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