Special Issue

Nanomaterials and Nanotechnology for Detection, Identification and Removal of Contaminants

Message from the Guest Editors

The MDPI journal *Nanomaterials* welcomes contributions to the Special Issue entitled "Nanomaterials and Nanotechnology to Detect, Identify and Remove Contaminants". The main objective of this Special Issue is to publish outstanding papers presenting the latest research in the field of nanomaterials and nanotechnology and their applications in the detection, identification, and removal of contaminants in soil, water, wastewater, and air. The Special Issue aims at collecting perspectives, review articles, and technical papers on topics that include, but are not limited to:

- Advanced nanomaterials in the context of a clean environment;
- Synthesis and characterization of novel nanomaterials to detect, identify, and remove pollutants from solids, liquids, and air;
- Theoretical study of nanomaterials;
- Toxicity of nanomaterials;
- Safe and sustainable use of nanomaterials in any environmental remediation applications;
- Exposure assessment and life cycle analysis

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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