



Engineered Nanomaterials for Environmental and Health Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Nanotechnologies have the potential to have disadvantages as well as confer benefits in terms of the exposure of humans to new nanomaterials. ENMs influence human safety by environmental pollution, unintentional exposure (e.g., due to pollution or exposure at the workplace), and purposeful exposure by the intended application (nanomedicine).

The objective of this Special Issue of *Nanomaterials* is to highlight advances in the environmental and health applications of ENMs. Topics of particular interest include:

- the influence of ENMs on environmental pollution and associated organisms;
- sustainable (nano)solutions for environmental remediation;
- effects of exposure to ENMs on human health;
- new ENMs for the diagnosis, prevention, and treatment of disease; and
- ENMs for the identification of disease biomarkers.





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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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