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State-of-the-Art Environmental Nanoscience and Nanotechnology

Guest Editor:

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editor

This Special Issue will be an overview of Environmental Nanomaterials and Nanotechnology in China. Research topics include but are not limited to the following:

Design of environmental nanomaterials, adjustment of their composition, structure and functions towards environmental remediation;

Application of natural and synthetic nanomaterials in environmental nanotechnologies, including adsorption, membrane, advanced oxidation technology, capacitive deionization, and so on;

The micro-interface reaction and mechanism of pollution control processes;

Environmental health and safety of nanotechnology, effects of physical and chemical properties of nanomaterials on biological and toxicological effects.

The only limitation is that the main part of the study has to have been carried out in China or by Chinese researchers.

This Special Issue will portray the state of Environmental Nanomaterials and Nanotechnology in China and give a clear image of what is being achieved in this field in our country.

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Editor-in-Chief

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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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