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Nanomaterials in Environment: Fate, Reactivity, and Transformations

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Deadline for manuscript submissions:
closed (31 August 2023)

Message from the Guest Editors

This Special Issue aims to cover recent progress in fate, reactivity and transformation of nanomaterials in the environment. In this Special Issue, original research articles, short communications and reviews are welcome. Potential research areas may include (but are not limited to) the following:

- Fate of nanomaterials in the environment;
- Aggregation, dissolution and sedimentation of nanomaterials in the environment;
- Transport of nanomaterials in water or soil;
- Positive or negative effects of nanomaterials used in agriculture;
- Transformation of nanomaterials in the environment;
- Analysis of nanomaterials in the environment;
- Risk assessment of nanomaterials in the environment;
- Bioavailability, uptake and accumulation of nanomaterials in plants and aquatic organisms;
- Toxicity of nanomaterials towards model organisms in the environment;
- Stability of functional nanomaterials (e.g., iron-based nanomaterials) used for environmental remediation.

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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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