

Special Issue

Ecotoxicology and Risk Assessment of Engineered Nanomaterials

Message from the Guest Editors

This Special Issue is focused on bringing forth new knowledge that improves the design and application of ecotoxicity studies on ecologically key species and environmentally relevant concentrations, including new analytical methodological approaches. Contributions aiming to understand the fate and behavior of ENMs in complex environmental matrices (e.g., estuarine, seawater, sediment, biota) and the use of "omic" technologies to gain a better understanding of adverse outcome pathways (AOPs) in response to ENM exposure are welcomed. The final objective of this SI is to summarize the relevant current knowledge on exposure to and transformation, analysis, and ecotoxicity of ENM in order to provide a wider view of the risks associated with their occurrence in the natural environment.

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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