

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.

Guest Editors

Dr. Julian Blasco

Institute of Marine Sciences of Andalusia (CSIC), 11519 Cádiz, Spain

Dr. Ilaria Corsi

Department of Physical Earth and Environmental Sciences, Università degli Studi di Siena, Siena, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science, University of
Birmingham, Birmingham B15 2TT, UK

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