

Special Issue

Environmental Decision Analysis for Nanoparticles

Message from the Guest Editor

In recent years, engineered nanoparticles have had a substantial impact on almost all scientific and technological fields. Increasingly, the presence of nanomaterials in environmental compartments is a reality with interesting short- and long-term consequences. Fortunately, together with the development of nanotechnology, there is a growth in societal concern surrounding its impact in the workplace and on the environment. An array of materials, methodologies and models is being developed for a comprehensive risk assessment of engineered nanoparticles in different scenarios.

In this Special Issue, we are devoted to sketching the current state of the art in decision-making procedures for engineered nanoparticles in the context of the environment. We are looking for manuscripts encompassing multiple aspects of nanotechnology and its impact on diverse ecosystems, as well as exposure assessment and life cycle analysis. Novel scientific findings on the environmental impact of nanoparticles are welcomed, as well as perspectives on the future development of chemical engineering and environmental sciences.

Guest Editor

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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

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