

Special Issue

Marine Micro/Nano-Particles Pollution and Ecological Effects

Message from the Guest Editors

This Special Issue, entitled “Marine Micro/Nano-Particles Pollution and Ecological Effects”, aims to provide an interdisciplinary platform for advancing our understanding of the occurrence, transformation, and biological impacts of marine nanoparticles. It seeks contributions that explore the toxicological mechanisms at molecular, cellular, and ecosystem levels, with a particular focus on trophic transfer, bioaccumulation, and their synergistic effects with coexisting pollutants. Furthermore, we welcome novel analytical methods, predictive models, and ecological risk assessments that address the challenges of detecting and characterizing these particles in complex marine environments. By situating the discussion within the rapidly growing body of literature on marine pollution and ecotoxicology, this Special Issue intends to bridge fundamental research and applied solutions, fostering the development of strategies that promote ecological restoration and sustainable ocean health. Ultimately, this Special Issue will highlight knowledge gaps, propose innovative perspectives, and promote collaborative efforts toward mitigating the ecological threats posed by marine nanoparticles.

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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