

Special Issue

Toxicity Assessment of Microplastics and Nanoplastics in Marine Environments

Message from the Guest Editors

Plastic has been observed to negatively impact marine organisms and ecosystem health, with toxicological effects stemming both from the chemicals associated with plastics and the plastic itself. Moreover, the toxicity threshold to plastic pollution can be lower when associated with other human-induced stressors compared to in singularity. This includes potential synergistic/additive effects of plastic with climatic stressors as well as other pollutants. This Special Issue aims to broaden our insight into the toxicity of microplastics and nanoplastics in the marine environment from the perspective of a rapidly changing ocean, which requires an urgent, international response. We welcome a range of novel contributions, from controlled experiments to local or global field observations, as well as modeling approaches. Research areas may include (but are not limited to): (i) micro and nano, exposure, in vivo behavior and bioaccumulation; (ii) bioindicators, biomarkers and specific organism thresholds for micro and nano plastic pollution; (iii) exposome analysis, risk assessment (iv) multi-stressors and cumulative impacts. We look forward to your contributions.

Guest Editors

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closed (20 April 2024)



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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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