

Special Issue

Insights into Toxicological Effects of Micro- and Nano-Plastics

Message from the Guest Editor

This Special Issue will share the latest developments in the understanding of MNPs' toxicity and mechanisms. The potential topics may include, but are not limited to, the following: (1) prediction of the acute and chronic toxicity of MNPs; (2) investigation of the toxicological mechanisms of MNPs, such as oxidative stress, autophagy and/or endoplasmic reticulum stress, and microflora dysbiosis; (3) evaluation of the current models to study MNPs' toxicity, including cell cultures, model organisms, alternative models, and computational models—combining multiple models for better prediction of human risk is highly encouraged; (4) how the interactions between MNPs and other molecules, such as nutrient molecules in vivo, impact the biological effects of MNPs; (5) investigation of the role of particle size in determining the toxicological effects of MNPs. Both original articles and review/perspectives that reflect the latest developments in this field are welcome.

Guest Editor

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).