

Special Issue

Toxicity Assessment of Emerging Organic Pollutants and New Functional Materials

Message from the Guest Editors

Emerging organic pollutants (EOPs) pose significant risks to ecosystems and human health. Otherwise, the rapid development of new functional materials (NFM) has revolutionized industries ranging from medicine to renewable energy. However, their potential toxicity and environmental impact remain critical concerns. Given their potential risks, thorough toxicity evaluations of EOPs and NFMs are urgently needed. Future research should provide further data regarding the toxicity assessment of EOPs and NFMs in organisms and ecosystems. This Special Issue welcomes papers on all relevant topics, including, but not limited to, the following:

- Toxicity of EOPs and NFMs in ecosystems;
- Advanced analytical methods for detecting and quantifying EOPs and NFMs in complex environmental matrices;
- Cellular and molecular mechanisms of toxicity of EOPs and NFMs;
- Lifecycle assessment of NFM: balancing green chemistry and ecotoxicological risks;
- Regulatory and policy implications for exposure to EOPs and advanced materials in urban environments;
- Environmental behaviors of EOPs and NFMs;
- Remediation technologies and NFM to reduce EOPs.

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Deadline for manuscript submissions

30 May 2026



Toxics

an Open Access Journal
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Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/243259

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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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Rapid Publication:

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).