Special Issue

Occurrence, Fate, Removal, and Effects of Per- and Polyfluoroalkyl Substances (PFASs)

Message from the Guest Editors

Per- and poly-fluoroalkyl substances (PFASs) are emerging organic contaminants. Due to their ubiquity, persistence, bioaccumulation potential, and toxicity, some of these chemicals were listed as persistent organic pollutants (POPs) in 2009 and 2019 to reduce environmental releases. Correspondingly, short-chain PFASs and other emerging alternatives of long-chain PFASs are increasingly being introduced into the market. However, PFASs, especially emerging alternatives, are currently not included in (inter)national routine monitoring programs and their fate, environmental behaviors, and effects on aquatic and terrestrial ecosystems are often not well understood. Thus, this Special Issue aims to bring together recent research and reviews into the occurrence, fate, removal and effects of PFASs.

- The expected papers to be published in this Special Issue.
- Rapid, high-selectivity and high-sensitivity analytical methods for analysis of PFASs and their alternatives.
- Environmental distribution, bioaccumulation, transfer, modelling, and ecological impacts.
- Human exposure and potential adverse health effects.
- Adsorption, degradation and other treatment techniques.

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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).