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Closing the Fluorine Gap: From the Analytical Technologies to Fate Modeling

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Message from the Guest Editors

Per- and polyfluoroalkyl substances (PFASs) are a family of chemicals of emerging concern that consist of at least 5000 unique chemical structures. The US Environmental Protection Agency has listed around 8000 potential PFASs, from which a large number are structurally unknown. Due to their structural diversity, they cover a wide range of physiochemical properties, environmental fates, and toxicities. Consequently, they are considered an extremely challenging family of chemicals to measure and model. Additionally, recent studies have shown their potential negative impact on human and environmental health.

This Special Issue focuses on the latest analytical developments and the application of such tools for unravelling the complexity of PFASs and thus closing the fluorine knowledge gap. Manuscripts are expected to cover (but not limited to) topics related to the development of novel analytical approaches, sample collection, sample preparation, and data processing tools. Studies on the environmental occurrence, fate, and modeling of PFAS are also welcome. This Special Issue welcomes the submission of original research papers, review papers, and short communications.



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Special Issue



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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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