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Per- and Polyfluoroalkyl Substances in the Environment: Sources, Fate and Risk Assessments

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Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

Per- and polyfluoroalkyl substances (PFASs) are a large class of synthetic compounds used to produce industrial and consumer goods, notably as surfactants, and to produce surface coatings that confer stain, water, and oil repellency. The vast majority of PFASs are extremely stable, but some are very mobile in the environment, and some can accumulate in living organisms and produce adverse health effects. These characteristics of persistence, bioaccumulation, mobility, and toxicity, combined with the large number of individual PFASs, create numerous challenges for assessing the risks of PFAS exposure.

For this Special Issue, we invite high-quality original research papers, short communications, and reviews focusing on all aspects of source identification and exposure assessment, environmental fate, toxicity, and risk assessment of PFASs. Studies may be in vivo, in vitro, or in silico and may include epidemiological studies, experimental models, and wildlife investigations. Research on a single PFAS, PFAS mixtures, and complex environmental samples are welcome. We also welcome computational or predictive studies.

Dr. Jamie DeWitt
Dr. Carla Ng
Guest Editors

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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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