Special Issue

Human Biomonitoring, Exposure Assessment and Quantitative Analysis of PFASs

Message from the Guest Editor

Per- and polyfluoroalkyl substances (PFASs) are a large class of thousands of synthetic organofluorine chemical compounds used in various industrial applications. Due to their physical and chemical properties, these substances are toxic to humans and the environment. Because of their toxicological characteristics, these substances pose a threat to the environment and to human health all over the globe. Several negative effects on human health are well-known, including neurotoxicity, hepatotoxicity, carcinogenicity, immunotoxicity, and cardiovascular diseases. Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) are two of the most studied long-chain PFASs. PFOS, its salts, and perfluorooctane sulfonyl fluoride (PFOS-F) were listed in 2009 under Annex B to the Stockholm Convention on Persistent Organic Pollutants (POPs). In 2019 and then in 2022, PFOA and PFHxS, together with their salts and related compounds, were also included in Annex A. In November 2023, the International Agency for Research on Cancer (IARC) classified PFOA as “carcinogenic to humans (Group 1)” and PFOS as “possibly carcinogenic to humans (Group 2B)”.

Guest Editor

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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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