Special Issue

PFAS: Lifespan Health Risks from Early-Life Exposure and Underlying Mechanisms

Message from the Guest Editors

Per- and polyfluoroalkyl substances (PFASs) are ubiquitous, persistent chemicals that enter humans through multiple environmental routes such as air, food, and water. They cross critical biological barriers including the placental, intestinal, and blood-brain barriers, leading to direct exposure of vulnerable tissues and organs and posing a serious threat to public health. This Special Issue invites original research and review articles that explore PFAS exposure pathways, trans-barrier transport, biomonitoring, mechanistic insights, and health effects across the lifespan. We are particularly interested in contributions that achieve the following:

- Quantify and model integrated exposure from environmental media to internal human doses;
- Investigate causal relationships and exposure–response curves connecting early-life PFAS exposure to lifespan health impairments, and identify susceptible exposure windows and vulnerable subpopulations;
- Elucidate mechanisms underlying lifespan health deficits resulting from early-life PFAS exposure and develop novel risk assessment frameworks that incorporate the DOHaD paradigm and cumulative lifelong risks.

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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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