Special Issue

Molecular Mechanisms of PFAS-Induced Toxicity and Carcinogenicity

Message from the Guest Editors

This Special Issue focuses on the molecular pathways and mechanisms underlying the toxic and carcinogenic effects of per- and polyfluoroalkyl substances (PFASs). It aims to integrate recent advances in understanding how PFASs interact with biological systems, including studies on gene expression, signaling pathways, oxidative stress, lipid metabolism, and epigenetic modifications. The Special Issue will highlight interdisciplinary research combining toxicology, molecular biology, and omics technologies to provide a holistic view of PFASs' impacts on health and the environment. It will also address gaps in our current knowledge, such as the role of the gut microbiota and intergenerational effects. By situating these findings within the existing literature, the Special Issue will offer insights into risk assessment, mitigation strategies, and policy implications, ultimately contributing to global efforts to reduce PFASs exposure and protect public health.

Guest Editors

Prof. Dr. Dan Xu
Prof. Dr. Wei Liu
Dr. Ang Li

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Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

mdpi.com/journal/toxics

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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.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

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