

Special Issue

Emerging Techniques in Toxicology for Environmental Health and Food Safety

Message from the Guest Editor

New and emerging pollutants present a global challenge with potentially serious threats to food and environmental safety. One of the environmental contaminants is per- and polyfluoroalkyl substances (PFASs), which are a group of synthetic organofluorine chemical compounds. Some of the most common examples of PFASs are

- PFOS,
- PFOA,
- PTFE (teflon),
- PFCAs,
- PFSAAs,
- and FTOHs.

There is a critical need to assess whether food or the environment will experience deleterious effects as a result of these substances. As such, efficient toxicological tools are of great significance in order to achieve early warnings of the potential risks to both food and the environment. Based on this motivation, this Special Issue focuses on using innovative toxicological tools for exploring the toxicological effects or potential risks in food- and environment-related matrices, such as, but not limited to, metabonomics, lipidomics, the integration of multi-omics, molecular spectrum, mass spectrum, electrochemistry, chromatography, nanotechnology, etc. Authors are invited to submit original research papers, reviews, and short communications.

Guest Editor

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Deadline for manuscript submissions

closed (15 May 2025)



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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

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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).