

Special Issue

Persistent Organic Pollutants (POPs) Hazards and Challenges

Message from the Guest Editors

Persistent Organic Pollutants (POPs) are a group of chemical substances that persist in the environment, bioaccumulate through the food chain, and have toxic effects on human health and the environment. Despite international efforts to eliminate or restrict the use of POPs, they continue to pose significant challenges due to their long-range transport, persistence, and ability to bioaccumulate. This Special Issue aims to explore the latest research on POPs, including their sources, fate in the environment, human health impacts, and strategies for their management and mitigation. This Special Issue invites original research articles, comprehensive reviews, and perspectives that explore the application, impact, and challenges of POPs. Contributions are invited on topics including but not limited to the following:

- Sources and Pathways of POPs in the Environment
- Environmental Fate and Transport of POPs
- Bioaccumulation and Biomagnification of POPs
- Human Health Impacts of POPs
- Ecological Risks of POPs
- Detection and Monitoring Technologies for POPs
- Mitigation Strategies for POPs
- Economic and Social Impacts of POPs Regulations
- Emerging POPs and Future Trends

Guest Editors

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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.

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JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the second half of 2025).