

Special Issue

Advances in Chemical Exposure and Environmental Risk

Message from the Guest Editor

Synthetic chemicals emitted into the environment now exceed safe limits and threaten the stability of ecosystems. Addressing this complex challenge requires an accurate, reliable, and robust analysis of the contact between chemical pollutants and human and ecological receptors, the fate and transport of the stressors from their sources, and the potential adverse impacts on the health of humans and the environment. Technological advances have enabled an association to be made between chemical exposure and adverse health outcomes via the integration of multi-omics and high-throughput screening, suspect and non-target analysis or machine learning. This Special Issue aims to present the latest advances in exposure science and environmental risk studies that mechanistically link chemical exposure to adverse health outcomes in humans and the environment. We are pleased to welcome original research papers, reviews, and short communications that contribute to research on exposure assessment, exposure pathways, novel analytical approaches, human behavior and exposure risk, big data and AI, and metabolomics and biomarkers.

Guest Editor

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Deadline for manuscript submissions

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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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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).