Special Issue

Mercury Cycling and Health Effects—2nd Edition

Message from the Guest Editors

Human exposure to mercury occurs through various pathways, including occupational exposure in artisanal gold mining, industrial activities, and the burning of fossil fuels. Additionally, dietary sources—particularly fish and seafood with high mercury concentrations—constitute a major route of exposure. Vegetables grown in contaminated soil or irrigated with polluted water also present potential risks. This Special Issue invites submissions including but not limited to the following:

- Local and regional factors influencing mercury distribution in the environment.
- The bioaccumulation and biomagnification of mercury in aquatic and terrestrial food chains.
- Risk assessments related to mercury exposure in abiotic compartments (atmosphere, water, sediment, soil) and food sources (fish, seafood, vegetables).
- Mercury exposure in human populations.
- Prenatal and postnatal mercury exposure, including transfer through breastfeeding.
- Urban mercury emissions from roads, industries, and power generation, along with their environmental and public health effects.
- Mercury emissions during forest fires and their implications for public health.

Guest Editors

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Deadline for manuscript submissions

closed (25 July 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.

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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).