

## Special Issue

# Occupational Exposure to Heavy Metals in Environmentally Vulnerable Areas

### Message from the Guest Editors

With the increasing use of various metals in industries, the health risks of occupational exposure to toxic metals have attracted the attention of researchers. The mechanisms of heavy metal toxicity are multifaceted, involving cell surface receptors, enzyme activity, cell membrane stability, cell apoptosis, DNA synthesis and other levels. This depends on the existence of the metals, exposure duration and dosage, individual susceptibility, etc. Besides the general toxicities of heavy metals, scholars are also concerned about their potential carcinogenicity. Although there are plenty of studies on heavy metal toxicities, further research is needed on the risk, sources and mechanisms of exposure to heavy metals in specific occupations or regions. In the Special Issue “Occupational Exposure to Heavy Metals in Environmentally Vulnerable Areas”, we aim to present a collection of original articles or reviews on the following topics: (1) levels of occupational exposure and health risk assessment; (2) exposure routes and biological monitoring; (3) source identification and control; and (4) identification of toxic mechanisms.

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### Guest Editors

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### Deadline for manuscript submissions

20 November 2026



## 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.

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### Editor-in-Chief

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indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

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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).