



toxics



an Open Access Journal by MDPI

Advanced Techniques for Detection and Investigation in Heavy Metals Toxicology

Guest Editors:

Dr. Ulrike Dydak

School of Health Sciences,
Purdue University, West
Lafayette, IN, USA

Dr. Johnny Wise

Department of Pediatrics,
University of Louisville, Louisville,
KY, USA

Deadline for manuscript
submissions:

closed (30 November 2024)

Message from the Guest Editors

Dear Colleagues,

Heavy metals are a persistent and ubiquitous threat to our health. We are exposed to metals throughout our daily lives, whether it is through our air, food, or water, and they can elicit toxic effects in every organ system of our bodies. Several occupations further exacerbate chronic exposure to heavy metals. With few exceptions, metals cannot be metabolized or degraded into less toxic forms, and can persist in our environment or in our bodies for decades. Critically, metals exposures are linked to every major disease, either contributing to disease etiology or exacerbating disease conditions. Understanding how metals contribute to diseases and co-morbidities, what levels are tolerable, how metal depositions and dynamics inside the body can be measured, and what we can do about metal toxicity are central areas of research in the toxicology of metals.

This Special Issue of *Toxics* aims to disseminate cutting-edge research that advances the detection and/or investigation of metals toxicology. We welcome original research, new methods or perspectives, and reviews that critically advance our understanding of the toxicology of metals pertaining to human health.



mdpi.com/si/193297

Special Issue



toxics



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Demetrio Raldúa

Department Environmental
Chemistry, IDAEA-CSIC, Jordi
Girona 18, 08034 Barcelona,
Spain

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [CAPus / SciFinder](#), [AGRIS](#), and [other databases](#).

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

Contact Us

Toxics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/toxics
toxics@mdpi.com
X@@Toxics_MDPI