



toxics



an Open Access Journal by MDPI

Toxicity of Metal Mixtures to Aquatic Life

Guest Editors:

Dr. Robin D. Calfee

US Geol Survey, Columbia
Environm Res Ctr, 4200 New
Haven Rd, Columbia, MO 65202,
USA

Dr. Holly J Puglis

US Geol Survey, Columbia
Environm Res Ctr, Columbia, MO
65201, USA

Deadline for manuscript
submissions:

closed (18 December 2022)

Message from the Guest Editors

Heavy metals in the environment remain a toxicological and environmental challenge. One major source of metals in the environment is mineral extraction and mining activities. The processes for extraction and mining require physical disturbance of the landscape, thereby releasing complex mixtures of metals into the surrounding soil and water, posing a risk of exposure to aquatic organisms. Waste products such as mine tailings and slag piles are generated from these activities and can cover large areas of land. Despite efforts by regulatory agencies to mitigate for the release of metals into the environment, metal contamination is still a global concern. Additionally, with new technological advances such as nanomaterials, the composition and toxicity of metal mixtures is even more complex, and there is a need to understand how metals interact and what the impacts are to aquatic biota. The goal of this Special Issue is to publish a series of papers by experts on the direct and indirect effects of metal mixtures to aquatic ecosystems. These articles will cover a range of effects such as impacts to behavior, mortality, and to aquatic habitats.



mdpi.com/si/89251

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](#), [CAPlus / SciFinder](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q2 (*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](#)