

## Special Issue

# Toxicity and Safety Assessment of Exposure to Heavy Metals

### Message from the Guest Editors

Heavy metals and metalloids toxicity has proven to be a major threat, and there are several health risks associated with it. Heavy metals such as cadmium, mercury, aluminum, iron, arsenic, lead, and chromium imbalance ROS production and the defense redox systems, leading to toxicity in target organs that depend upon the absorbed dose, the route of exposure, and the duration of exposure, i.e., acute or chronic.

Supplementation of iron, zinc, copper, and selenium, among others, prevents diseases, but the excess of these elements is also deleterious to the organisms and is also linked to health problems, and this constitutes another facet of this Special Issue. The use of metals for health and healing, such as platinum compounds, gold, ruthenium, osmium, iridium, rhodium, silver, and rhenium complexes, has been the subject of intensive investigation and they are drug candidates for cancer and infectious diseases as well as antirheumatic, antimalarial, and antimicrobial drugs. Nevertheless, the use of these metallodrugs is not exempt from risk, and papers reporting either their toxicity or safety assessment are very welcome.

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### Guest Editors

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### Deadline for manuscript submissions

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## 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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