

## Special Issue

# Toxicity of Heavy Metal Compounds

### Message from the Guest Editor

The use of heavy metals in industry, research, and medicine has increased rapidly over recent decades. However, from mining and industrial manufacturing to waste disposal, there is a potential risk of heavy metals being released into the environment. Contamination of the environment and finally incorporation of heavy metals into living organisms poses a potential health risk. The toxicity of heavy metals is influenced by various factors, e.g., binding form or oxidation state (generally, speciation). For a better understanding of the toxicity of heavy metals and for effective decontamination or decorporation strategies, knowledge of the speciation and reactions of heavy metals at the molecular and cellular level is essential. In this Special Issue, reviews, original research articles, and communications covering chemical and analytical as well as biochemical and biological studies of the reactions of heavy metals or heavy metal compounds with biosystems (e.g., cells, organs, biofluids, or single bio-related molecules) are highly welcome. Contributions on related topics would also be much appreciated.

### Guest Editor

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### Deadline for manuscript submissions

20 August 2025



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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