

Special Issue

Mechanisms of Heavy Metal Toxicity 2.0

Message from the Guest Editor

The toxicity of heavy metals has been a popular research topic for a long time. In the past, it was important to elucidate the actual health hazards caused by environmental pollution, accidents, and crimes involving metals, metalloids, and metal compounds, but now the main issues are related to the elucidation of the mechanisms of their toxicity and defense mechanisms against said toxicity. This SI is under production with the aim of addressing this contemporary issue. In this Special Issue, we welcome the submission of full reviews, original research papers, short communications, and perspectives that cover the following topics:

- Cellular and molecular mechanisms underlying heavy metals, metalloids, and metal(loid)-containing compounds;
- Mechanisms underlying the induction of metallothionein;
- Cellular defense systems against the toxicity of heavy metals, metalloids, and metal(loid)-containing compounds;
- The regulation and mechanisms of the expression of metal transporters such as SLC39A8.
- Research that does not fit into the above topics but may contribute to them is also welcome.

By sharing these studies, we aim to make significant progress in metal toxicology.

Guest Editor

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Deadline for manuscript submissions

closed (20 May 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/160127

*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

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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