

Special Issue

Metal Intoxication: General Aspects and Chelating Agents

Message from the Guest Editors

Dear colleagues, This Special issue aims to exploit heavy metal toxicity in humans, the chelation approach for their removal from the body, and to present the reader with the latest progress in the development of chelating strategies to treat chronic and acute metal intoxication. Submissions focusing on all aspects of chelation treatment (alone or in combination), including nutritional interventions, are welcome. Related and similar topics are also encouraged. Potential topics include, but are not limited to, the following:

- Chemical characterization of novel metal chelators for chronic and/or acute specific metal intoxication
- Potential metal chelators in human diseases
- Advances in chelation strategies and chelating agents in medicine
- Exploration of the molecular mechanism of metal toxicity and the mechanisms of action for their removal
- Studies devoted to the design and development of chelating agents' functionalization for sensing or targeting purposes
- Studies on the metal chelators' properties, i.e., absorption, distribution, metabolism, and excretion
- Potential nutritional intervention for metal detoxification.

Guest Editors

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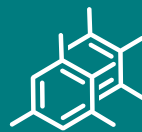
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Deadline for manuscript submissions

closed (31 July 2022)



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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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