

Special Issue

Chelating Agents towards Bioavailable Metal Ions

Message from the Guest Editors

Metal speciation is important since it can be considered as a prerequisite for obtaining structural information and can determine many molecular properties, including adsorption, transport, and related biological activities. Some diseases can be caused by an imbalance between essential and nonessential trace elements. Currently, the direct administration of essential metals and removal of excess of toxic metals via chelation represent good strategies for restoring the normal healthy physiology of the human body for some pathologies. This Special Issue aims to present studies on the complexation behavior of biological ligands towards bioavailable metal ions.

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Deadline for manuscript submissions

closed (31 August 2020)



Molecules

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CiteScore 8.6
Indexed in PubMed



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As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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