

Special Issue

Editorial Board Members' Collection Series in "Bioinorganic Chemistry of Copper"

Message from the Guest Editors

Copper is a transition element that is frequently found at the active site of proteins. Copper proteins are involved in a wide range of biological oxidation–reduction processes, which include long-range electron transfer, dismutation of superoxide, reduction of nitrite and nitrous oxide, and reversible binding, transport, activation, and two- or four-electron reduction of dioxygen to peroxide or water that are coupled to substrate oxidation or proton pumping. This diversity can be attributed to the unique geometric and electronic structures of the copper active sites that are intricately tailored for their specific functions. When these highly defined binding sites are not reached, then copper ions become toxic, as in the case of neurodegenerative disorders. This Special Issue "Bioinorganic Chemistry of Copper" aims to collect original research articles or comprehensive review papers focused on the key role of copper ions in biology.

Dr. Gianella Facchin

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2023)



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About the Journal

Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory

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