



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

Guest Editors:

Dr. Christelle Hureau

Laboratoire de Chimie de
Coordination (LCC), CNRS UPR
8241, 205 Route de Narbonne,
CEDEX 09, 31062 Toulouse,
France

**Prof. Dr. Ana Maria Da Costa
Ferreira**

Departamento de Química
Fundamental, Instituto de
Química, Universidade de São
Paulo, Av. Prof. Lineu Prestes 748,
Sao Paulo 05508-000, Brazil

Dr. Gianella Facchin

Química Inorgánica,
Departamento Estrella Campos,
Facultad de Química,
Universidad de la República,
Montevideo 11800, Uruguay

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

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. Christelle Hureau

Prof. Dr. Ana Maria Da Costa Ferreira

Dr. Gianella Facchin

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Duncan H. Gregory

School of Chemistry, University of
Glasgow, University Avenue,
Glasgow G12 8QQ, UK

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Inorganic & Nuclear*) / CiteScore - Q2 (*Inorganic Chemistry*)

Contact Us

Inorganics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/inorganics
inorganics@mdpi.com
[X@inorganics_MDPI](https://twitter.com/inorganics_MDPI)