



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

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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

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## Message from the Editor-in-Chief

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