

Special Issue

Metals in Biology (2nd Edition)

Message from the Guest Editor

The function of metals in Biology is essential for the functionality of about one-third of the enzymes known so far. The role of the metal ions varies from allosteric effects to creating micro-engines that drive a wide range of chemical reactions inside the different biological processes, from hypoxia sensation to dimolecular oxygen formation. Metal ions are essential cofactors for one-third of the known enzymes. They often involve electron transfer reactions, i.e., Photosystem I, II, Complex I, Dehydrogenase, Nitrogenase, Superoxide Dismutase, etc. This Special Issue aims to collect the latest experimental and theoretical results from the experts studying biological systems involving metal cofactors. We aim to provide insight into the methods and mechanisms used to facilitate the chemical reactions of different metalloproteins.

Guest Editor

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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