

Special Issue

Emerging Trends in Metal Biochemistry

Message from the Guest Editor

Stereotypically, “biochemistry” is associated with the properties and roles of proteins, nucleic acids, carbohydrates, lipids and the thousands of chemical reactions that occur within the chemical engine that keeps cells alive. As life sciences advance, new and sometimes unexpected roles of metals are discovered at an accelerating pace, slowly but surely moving a spotlight onto this exciting field within biochemistry. Through a mix of review and original articles, the scope of this Special Issue is to highlight recent and emerging trends in the biochemistry of five pivotal metals: calcium, copper, iron, manganese, and zinc. The goal is to share passion for metals by providing an integrated view that spans from cell to systems biology, from biophysics to pharmacology, pathology and clinical applications, showcasing how study of metal biochemistry will make increasingly important contributions to our understanding of life’s mysteries.

Guest Editor

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About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).