

Topical Collection

Advances in Metal Binding Proteins

Message from the Collection Editor

Everyone knows that the functioning of any biological system is impossible without metal ions. Metal ions play several major roles in proteins: structural, regulatory, and enzymatic. Strong binding of some metal ions increases the stability of proteins or protein domains. Metal ions are an essential part of many enzymes and are indispensable in many catalytic reactions. Studying the interactions of metal binding proteins with proteins of other classes allows us to reach a better understanding of their physiological functions. Modern methods of genetic engineering and knowledge of the three-dimensional structure of metal-binding proteins allow us to study their structure and functions at a new level. The obtained fundamental knowledge can already be used in applied science. Comprehensive reviews or original research articles are most welcome.

Collection Editor

Dr. Eugene A. Permyakov

Institute for Biological Instrumentation, Russian Academy of Sciences,
142290 Pushchino, Russia



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/87915

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



[mdpi.com/journal/
biomolecules](https://mdpi.com/journal/biomolecules)



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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), PubMed, MEDLINE, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)