



an Open Access Journal by MDPI

Zinc Enzymes for Drug Design and Drug Development

Guest Editors:

Dr. Giuseppina De Simone

Istituto di Biostrutture e
Bioimmagini, CNR, Via Pietro
Castellino 111, 80131 Napoli, Italy

Dr. Anna Di Fiore

Istituto di Biostrutture e
Bioimmagini, CNR, Via Pietro
Castellino 111, 80131 Napoli, Italy

Dr. Vincenzo Alterio

Institute of Biostructures and
Bioimaging-CNR, Via Pietro
Castellino 111, 80131 Naples,
Italy

Deadline for manuscript
submissions:
closed (20 December 2024)

Message from the Guest Editors

Dear Colleagues,

Zinc is an essential transition metal necessary for the activity of many enzymes involved in important biological functions. For this reason, many zinc-containing enzymes, such as Carbonic Anhydrases (CAs), Matrix Metalloproteinases (MMPs), and Histone deacetylases (HDACs), have in recent years garnered great interest as therapeutic targets for treating a wide variety of human diseases, and many successful examples of drug design studies directed at these molecules are available. In this issue, we will summarize the most important results obtained in this field and provide future perspectives for developing novel drug classes targeting zinc metalloenzymes.

Dr. Giuseppina De Simone

Dr. Anna Di Fiore

Dr. Vincenzo Alterio

Guest Editors



mdpi.com/si/177694

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI