

Special Issue

Research in Structure and Function of Proteins

Message from the Guest Editor

Emerging from the intricate decoding of DNA, proteins stand as the ultimate manifestation of genetic information. Within the bustling confines of the cell, these molecular workhorses take on multifaceted roles. At the heart of their versatility lies a remarkably elegant code crafted from the four-letter alphabet of DNA. This code, composed of sequences of amino acids, dictates the folding and arrangement of proteins into a bewildering array of structures, each tailored to fulfil a specific function. From the robust fibres of collagen that provide structural support to tissues to the agile molecular motors that power cellular movement, proteins embody the remarkable diversity encoded within the genome. This Special Issue aims to bring together works that describe the advancement of sciences involved in studying the structure of proteins, including enzymes, structural proteins, membranes, and all living organisms. It is also open to work involving bioinformatics and study methodologies at the four structural levels, the interplay between these physical levels, and the different immunological and antigenic vaccine aspects and drug development.

Guest Editor

Dr. Salvatore Giovanni De Simone

Center for Technological Development in Health (CDTS), National Institute of Science and Technology for Innovation in Neglected Diseases Populations (INCT-IDPN), Oswaldo Cruz Foundation (FIOCRUZ), Rio de Janeiro 21040-900, RJ, Brazil

Deadline for manuscript submissions

20 April 2025



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/203521

*International Journal of
Molecular Sciences*
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

mdpi.com/journal/

[ijms](https://ijms.mdpi.com)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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

ijms



About the Journal

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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 (Inorganic Chemistry)