



## Protein Structure and Function in Microorganisms

Guest Editor:

**Prof. Dr. Chun-Hua Hsu**

1. Department of Agricultural  
Chemistry, National Taiwan  
University, Taipei 10617, Taiwan  
2. Institute of Biochemical  
Sciences, National Taiwan  
University, Taipei 10617, Taiwan  
3. Genome and Systems Biology  
Degree Program, National  
Taiwan University and Academia  
Sinica, Taipei 115024, Taiwan

Deadline for manuscript  
submissions:

**closed (31 May 2023)**

### Message from the Guest Editor

Dear colleague,

Microorganisms comprise a large community, consisting of species considered pathogenic to humans, animals and plants, or even beneficial species that interact with other organisms and being utilized as useful bioresources. Therefore, proteins and enzymes from microorganisms are attractive targets for the study of structural and functional relationship.

This special issue "Protein structure and function in microorganisms" gathering original research and review articles aims to present a tribune to broad range advanced structural studies via X-ray, NMR, Cryo-EM, molecular simulation and biophysical methods, or their synergetic combination for understanding protein structural-functional relationships in their very broad context. The topics would be listed below but not limited, such as proteins in cell division or cell cycle, proteins in infectious or defense systems, enzymes for post-translational modifications, enzymes involved in natural product biosynthesis, proteins from extremophiles, druggable protein targets, metabolic enzymes, industrial and food processing enzymes, plastic and pollutant degrading enzymes, as well as diagnostic and therapeutic proteins.





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI