

## Special Issue

# Molecular Biology of Host and Pathogen Interactions

### Message from the Guest Editor

Microorganisms such as bacteria, fungi, viruses, or parasites sustain themselves within host cells or organs on a molecular and cellular level and establish molecular mechanisms to invade, proliferate, and exploit cells for their survival. The understanding of these interactions is vital to the identification of biomarkers for diagnosis or individualised therapy of infections and is desirably driven by several independent areas of research such as molecular biology, biochemistry, immunology, cell biology, and all the omics. The aim of this Special Issue is to highlight processes and mechanisms involved in the crosstalk between infectious agents and their hosts that may contribute at a later stage to the design of novel treatment or prevention strategies in the continuous fight against infectious diseases. We invite you to submit research articles, reviews, or short communications that together may contribute to improving the knowledge about this growing area of research.

### Guest Editor

Dr. Ana Paula Arez

Global Health and Tropical Medicine (GHTM), Instituto de Higiene e Medicina Tropical (IHMT), Universidade NOVA de Lisboa (UNL), 1349-008 Lisbon, Portugal

### Deadline for manuscript submissions

closed (31 December 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/173064](https://mdpi.com/si/173064)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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