

Special Issue

Molecular and Genomic Aspects of Viral Pathogens

Message from the Guest Editor

The proposed Special Issue, “Molecular and Genomic Aspects of Viral Pathogens”, aims to provide a comprehensive overview of current research on the genetic and molecular mechanisms that underpin viral infection, replication, evolution, and host interaction. This issue will cover a wide range of topics, including, but not limited to, viral genome organization and variability, host–pathogen molecular interactions, the mechanisms of viral replication and gene expression, antiviral resistance, and the applications of high-throughput sequencing in virus discovery and surveillance. Special attention will also be paid to emerging and re-emerging viral pathogens, particularly those with the potential to cause a pandemic.

Guest Editor

Dr. Joanna Dąbrowska

Department of Virology and Viral Diseases of Animals, National Veterinary Research Institute, Partyzantów 57 Avenue, 24-100 Puławy, Poland

Deadline for manuscript submissions

31 October 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/239578

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)* 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.

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

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, CAPus / SciFinder, and other databases.

Journal Rank:

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