

Special Issue

Plant Virus Infections—Studies Focusing on Virus Genome Organization and Functions

Message from the Guest Editors

Genome studies are a fast-developing field of molecular plant virology, focusing on the structure of virus RNAs and DNAs, function of encoded genes, and their evolution and mapping. Recent achievements in omics technologies and bioinformatics tools have substantially increased the ability of researchers to analyze and understand genomes and to use these knowledges in biotechnology as well as plant breeding. The purpose of this Special Issue is to report recent progress in genomic studies in plant viruses. This includes but is not limited to genome sequencing, genome structure and organization, infectious virus genome assembly, gene prediction, comparative genomics and transcriptomics, genome and protein evolution, gene editing, expression profiling, the functions of specific genes, and protein–protein interactions between virus polypeptides as well as between viral and host products. Bioinformatics tools and databases assisting genomic and transcriptomic data analyses are also welcomed.

Guest Editors

Prof. Dr. Sergey Morozov

A. N. Belozersky Institute of Physico-Chemical Biology, Moscow State University, 11992 Moscow, Russia

Prof. Dr. Andrey Solovyev

A.N. Belozersky Institute of Physico-Chemical Biology, Moscow State University, Moscow 119992, Russia

Deadline for manuscript submissions

closed (31 October 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/146663

*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*, 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)