

Special Issue

Antiviral Agents and Peptides: Discovery, Mechanisms, and Therapeutic Applications

Message from the Guest Editor

This Special Issue will focus on recent advances in the discovery, design, and application of antiviral agents, including antiviral peptides (AVPs). It will provide a comprehensive platform for research on both traditional and emerging antiviral strategies targeting a wide range of viral pathogens. Topics of interest include, but are not limited to, the identification and development of novel antiviral compounds; structure–activity relationships; mechanisms of antiviral action; drug optimization and delivery; host–virus interactions; antiviral immunity; resistance mechanisms; and preclinical and clinical evaluation of antiviral therapies. This Special Issue will bring together original research articles and comprehensive reviews that address the fundamental biology, mechanisms, and therapeutic potential of antiviral agents and peptides. Contributions that explore innovative design strategies, emerging viral threats, and translational or clinical perspectives are particularly encouraged.

Guest Editor

Dr. Xue Zhi Zhao

Center for Cancer Research, National Cancer Institute, Frederick, MD 21702, USA

Deadline for manuscript submissions

30 April 2027



Viruses

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/279941

Viruses
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
viruses@mdpi.com

mdpi.com/journal/

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





Viruses

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Viruses* (ISSN 1999-4915). *Viruses* is published in open access format—research articles, reviews and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Viruses* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Dr. Eric O. Freed

HIV Dynamics and Replication Program, Center for Cancer Research,
National Cancer Institute, Frederick, MD 21702-1201, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

Journal Rank:

JCR - Q2 (Virology) / CiteScore - Q1 (Virology/Infectious Diseases)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.2 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).