

## Special Issue

# One Health Approach: Tackling the Spillover of Zoonotic Viruses from Wildlife to Humans

### Message from the Guest Editors

Zoonotic virus spillover from wildlife to humans poses a global health threat, as seen in recent pandemics. The One Health approach—integrating human, animal, and environmental health—is vital to address these risks. This framework highlights ecosystem interconnectedness, linking human well-being to wildlife and environmental health. Mitigating spillover requires robust surveillance in high-risk areas like wildlife markets and deforestation zones, enhanced by genomic sequencing to detect pathogens early. Reducing human-wildlife contact through sustainable land-use policies and biodiversity conservation is crucial. Collaborative efforts across veterinary, medical, and ecological sciences are needed to develop predictive models and early warning systems. Public health interventions must address socio-economic drivers like poverty and food security. One Health aims to build resilient systems through global partnerships and data sharing. This special issue seeks innovative research and policy analyses on zoonotic spillover, integrating social and biological sciences for holistic solutions.

### Guest Editors

Dr. Gilberto Sabino-Santos  
The Scripps Research Institute, La Jolla, CA, USA

Dr. Jamie Kristine Reaser  
Smithsonian National Zoo & Conservation Biology Institute, Front Royal, VA 22630, USA

Dr. Kirk Douglas  
Centre for Biosecurity Studies, The University of the West Indies, Cave Hill Campus, Cave Hill, St. Michael BB11000, Barbados

### Deadline for manuscript submissions

31 October 2025



## Viruses

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/231317](https://mdpi.com/si/231317)

*Viruses*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[viruses@mdpi.com](mailto:viruses@mdpi.com)

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

*Viruses* (ISSN 1999-4915) is an open access journal which provides an advanced forum for studies of viruses. It publishes reviews, regular research papers, communications, conference reports and short notes. Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. The full experimental details must be provided so that the results can be reproduced. We also encourage the publication of timely reviews and commentaries on topics of interest to the virology community and feature highlights from the virology literature in the 'News and Views' section.

Electronic files or software regarding the full details of the calculation and experimental procedure, if unable to be published in a normal way, can be deposited as supplementary material.

---

### 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 18.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).