

Special Issue

Viruses in the Environment

Message from the Guest Editor

Environmental viruses are one key factor for microbial mortality, drive diversification and evolution of microbes through gene transfer and are key contributors to the mineralization of nutrients since they solubilize microorganisms by lysis. As a result, they are important drivers of global biogeochemical cycles. It is thought that most environmental viruses are bacteriophages, i.e. viruses that infect bacteria. However, it is quite possible that viruses that infect (micro)eukaryotes and archaea also play an important role in various ecosystems. Environmental changes may influence virus abundance and the composition of viral communities. These changes may in turn affect population dynamics and the diversity of host organisms that are of importance for many ecosystem functions. This special issue invites submissions that involve studies about viruses in the environment (e.g. marine, freshwater and soil ecosystems), including virus discovery, virus-host interactions and the consequences of virus infection on ecosystem services.

Guest Editor

Dr. René Kallies

German Environment Agency, Section II 1.4 Microbial Risks,
Corrensplatz 1, 14195 Berlin, Germany

Deadline for manuscript submissions

closed (15 November 2022)



Viruses

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/51521

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

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





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).