



Viruses Ecology and Evolution: Current Research and Future Directions

Guest Editor:

Prof. Dr. John J. Dennehy

Department of Biology, Queens
College of the City University of
New York, New York, NY 10016,
USA

Deadline for manuscript
submissions:

closed (30 April 2020)

Message from the Guest Editor

Dear colleagues,

Understanding virus ecology and evolution is essential to vaccine and antiviral drug development, virus epidemiological surveillance and emergence prediction, virulence progression, and other phenomena relevant to public health, conservation, and agriculture. Topics in virus ecology and evolution may include virus–host coevolution, immune and vaccine evasion, virulence evolution, virus host-range evolution and emergence, virus life history evolution, coinfection and viral ‘sex’, evolution of virus genome structure and origins of virus genes, virus population genetics and phylodynamics, virus quasispecies, virus adaptive landscape structure, virus robustness and evolvability, and virus experimental evolution. The aim of this Special Issue is to communicate the latest research results and reviews on these topics and others relating to virus ecology and evolution.

Prof. Dr. John J. Dennehy

Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Eric O. Freed

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

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.

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, MEDLINE, PMC, Embase, PubAg, AGRIS, and other databases.**

Journal Rank: JCR - Q2 (*Virology*) / CiteScore - Q1 (Infectious Diseases)

Contact Us

Viruses Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/viruses
viruses@mdpi.com
[X@VirusesMDPI](https://twitter.com/VirusesMDPI)