



Multiple Hosts of SARS-CoV-2

Guest Editors:

Prof. Dr. Suresh V. Kuchipudi

Department of Veterinary and Biomedical Sciences, The Penn State University, University Park, PA 16802, USA

Prof. Dr. Vivek Kapur

Department of Animal Science, The Pennsylvania State University, University Park, PA 16802, USA

Prof. Dr. Joshy Jacob

Department of Animal Science, The Pennsylvania State University, University Park, PA 16802, USA

Deadline for manuscript submissions:

closed (30 June 2023)

Message from the Guest Editors

Both human and non-human animal species are susceptible to SARS-CoV-2 infection, and multiple spillovers from humans to non-human animal hosts have been documented, including amongst companion animals, farmed animals, and captive and free-living wildlife. Recent findings of widespread SARS-CoV-2 infection in free-living white-tailed deer highlight an urgent need to address the many open questions relating to the role of various animal hosts in the natural ecology and evolution, pathogenesis, transmission dynamics, and host responses of SARS-CoV-2 in non-human animal hosts.

We welcome original manuscripts, case reports, and targeted reviews relating to the ecology and evolution of SARS-CoV-2 in non-human animal hosts. Epidemiological and laboratory studies regarding reverse zoonoses, transmission dynamics at the animal–human interface, the SARS-CoV-2 surveillance of animal populations, and the identification of animal reservoirs are strongly encouraged. Manuscripts describing comparative and mechanistic studies relating to the SARS-CoV-2 pathogenesis, host innate and adaptive immune response, and virus adaptation in humans and animals are also welcome.





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)