



Mosquito-Borne Virus Ecology 2.0

Guest Editors:

Prof. Dr. Jonas Schmidt-Chanasit

1. Bernhard Nocht Institute for Tropical Medicine, WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research, Bernhard-Nocht-Strasse 74, 20359 Hamburg, Germany
2. Faculty of Mathematics, Informatics and Natural Sciences, University of Hamburg, Ohnhorststrasse 18, 22609 Hamburg, Germany

Dr. Hanna Jöst

Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany

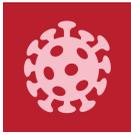
Deadline for manuscript submissions:

closed (31 July 2023)

Message from the Guest Editors

Human and animal diseases caused by mosquito-borne viruses (morbiviruses) are of growing importance in many countries. Shifts in climate regimes can have a direct impact on the distribution of a species. Therefore, climatic conditions also have a significant impact on the local or regional emergence and frequency of morbiviruses, which are significantly influenced by the availability of potential host species. Changes in the distribution of vectors, reservoirs, or amplification hosts directly influence the risk of morbiviruses' emergence, e.g., by bringing together humans and animals in close contact with viruses. Thus, changes in climate, as well as other environmental changes (e.g., land use), are likely to shift the occurrences and transmission risk of morbiviruses. This is why emerging or re-emerging morbiviruses have reached the forefront of medical research at the global scale, with prominent outbreaks in recent years (e.g., chikungunya virus or Zika virus). Thus, the fundamental understanding of the mosquito vector and morbivirus ecology is the sine qua non to develop and implement sustainable vector and morbivirus control programs.





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, St. Alban-Anlage 66
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)