Special Issue

Arboviral Lifecycle 2025

Message from the Guest Editor

The increasing spread and incidence of arbovirus infections present significant public health challenges. Over recent decades, dengue has escalated to hyperendemic levels, while yellow fever has resurfaced with urban outbreaks. Additionally, the recent emergence and re-emergence of other arboviruses, such as the Oropouche virus (OROV), further complicate the public health landscape, underscoring the dynamic and evolving nature of these infections. Understanding the lifecycle of arboviruses is crucial to addressing these challenges. This encompasses not only the virus's transmission dynamics through vectors but also its interaction with hosts at various stages of infection. This Special Issue aims to explore and elucidate the intricacies of the arbovirus lifecycle, from viral entry into the mosquito vector to human infection and disease manifestation. Emphasizing the importance of comprehensive studies on vector biology, viral evolution, and host–pathogen interactions, we invite contributions that will enhance our understanding and lead to the development of more effective diagnostics, vaccines, and vector control strategies.

Guest Editor

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Deadline for manuscript submissions

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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

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