Special Issue

Mathematical Modeling of Viral Infections

Message from the Guest Editors

Understanding the impact of a viral infection within an individual can be difficult, as the data are often sparse and obtained from sites other than where viruses replicate. Mathematical modelling attempts to piece together the available data, and infer more about the infection than can be directly observed. Within-host viral modelling has provided important information about many infections, including human immunodeficiency virus (HIV), the hepatitis B virus, hepatitis C virus, and influenza. This Special Issue of *Viruses* will present articles covering the mathematical modelling of within-host viral dynamics. We encourage submissions describing modelling of all viruses impacting humans.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).