Special Issue

Biosecurity and Plant Viruses: A Call to Action for a Sustainable Future

Message from the Guest Editors

The global food security landscape is evolving, facing challenges from climate change, population growth, and threats like novel plant viruses, which cause billions in economic losses annually. Biosecurity is increasingly critical for safeguarding agricultural productivity and food system health. This Special Issue explores the relationship between biosecurity and plant viruses, highlighting pressing issues and the need for international collaboration.

Topics include:

Emerging and Re-emerging Viruses: Research on genetic diversity, evolution, and detection strategies.
Disease Surveillance: Development of monitoring programs using advanced technologies like genomics and AI.
Biosecurity Measures: Examination of practices such as quarantine and resistant crops.
Vector Management: Control methods for insect vectors transmitting plant viruses.
International Collaboration: Importance of global cooperation in combating threats.

We encourage submissions from researchers, policymakers, and industry leaders to contribute original research and reviews. This Special Issue aims to foster discussion and guide future efforts for sustainable agriculture.

Look forward to your submissions!

Guest Editors

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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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JCR - Q2 (Virology) / CiteScore - Q1 (Infectious Diseases)

Rapid Publication:

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).