

## Special Issue

# Application of Genetically Engineered Plant Viruses

### Message from the Guest Editor

Plant viruses seriously affect crop cultivation and agricultural production worldwide. They are not always a threat but can be friends. Infectious clones of many plant viruses have been constructed and modified through genetic engineering for the study of viral pathogenesis. Attenuated plant viruses can be used as vaccines for crop protection. Viral vectors engineered from infectious clones of plant viruses are effective tools for overexpressing genes of interest in plants for human/animal disease treatment and health. Plant viral vectors have also been exploited to knock down plant gene expression through virus-induced gene silencing. In this Special Issue, we welcome a wide range of articles, including original research, short communications, and reviews, that focus on the application of genetically engineered plant viruses in agriculture, medicine, human/animal health, and other fields. Your research achievements will significantly contribute to enhancing our understanding of this field. We look forward to receiving your submissions for this Special Issue.

### Guest Editor

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### Deadline for manuscript submissions

31 December 2025



## Viruses

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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.

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### Editor-in-Chief

Dr. Eric O. Freed

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indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

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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).