

Special Issue

Genomics and Genetics of Plant Viruses

Message from the Guest Editor

Plant viruses accumulate heritable genetic changes during their lifetime, which can arise from adaptations in response to environmental changes or the immune response of the host. Because of their short generation times and large population sizes, RNA viruses can evolve rapidly. More recently, various breakthroughs have led to the rapid advance of plant virus evolution. Especially, within the devastating global pandemic of SARS-CoV-2, the genomics, genetics, phylogenetics, epidemiology, and evolution of plant viruses have received unprecedented attention. This research topic will present articles and review papers covering plant virus genome and evolution including both computational and experimental approaches. Sub-topics may include (but are not limited to): plant virus identification, plant virus evolution and classification, phylogenetics, epidemiology and surveillance, plant virus experimental evolution, viral metagenomics and ecology, and viral bioinformatics and software. We welcome original research articles and review papers about the recent advancements and current understanding of plant viruses' computational and experimental evolution.

Guest Editor

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Deadline for manuscript submissions

closed (15 March 2024)

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CiteScore 5.5
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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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