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Plant Virus Infections—Studies Focusing on Virus Genome Organization and Functions

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Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

Genome studies are a fast-developing field of molecular plant virology, focusing on the structure of virus RNAs and DNAs, function of encoded genes, and their evolution and mapping. Recent achievements in omics technologies and bioinformatics tools have substantially increased the ability of researchers to analyze and understand genomes and to use these knowledges in biotechnology as well as plant breeding. The purpose of this Special Issue is to report recent progress in genomic studies in plant viruses. This includes but is not limited to genome sequencing, genome structure and organization, infectious virus genome assembly, gene prediction, comparative genomics and transcriptomics, genome and protein evolution, gene editing, expression profiling, the functions of specific genes, and protein–protein interactions between virus polypeptides as well as between viral and host products. Bioinformatics tools and databases assisting genomic and transcriptomic data analyses are also welcomed.



mdpi.com/si/146663

Special Issue



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Message from the Editor-in-Chief

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