

Special Issue

Molecular Plant Virology: Mechanisms of Replication, Genome Packaging, and Pathogenesis in Positive- Strand RNA Viruses

Message from the Guest Editor

Almost all plant viruses are transmitted to their susceptible hosts by different vector species in infectious virion forms. The formation of infectious virions containing the genome involves two sequential, but complex, steps: replication and assembly of infectious virions. Replication is catalyzed by an active replicase complex consisting of virus-encoded replicase proteins and several host proteins.

In this Special Issue of *Plants*, we focus on the latest advances in plant virus replication, genome packaging, and pathogenesis. Topics of interest include, but are not limited to, genome replication and packaging mechanisms, cell-to-cell and long-distance spread, RNA silencing, protein–protein interactions, and symptom development.

Guest Editor

Prof. A.L.N. Rao

University of California, Riverside | UCR · Department of Microbiology
and Plant Pathology, Los Angeles, USA

Deadline for manuscript submissions

closed (30 September 2021)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/58385

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)



About the Journal

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)