microorganisms

IMPACT FACTOR 4.5

Indexed in: PubMed

CITESCORE 6.4

an Open Access Journal by MDPI

Interactions between Plant Pathogens and Insect Vectors

Guest Editor:

Dr. Mitsuru Okuda
1. National Agriculture and Food Research Organization, NARO, Tsukuba, Japan
2. Laboratory of Virology, Wageningen University & Research, Wageningen, The Netherlands

Deadline for manuscript submissions:
closed (15 February 2024)

Message from the Guest Editor

This Special Issue, "Interactions between Plant Pathogens and Insect Vectors: Implications for Virus Transmission and Control," delves into the intricate relationships between plant pathogens, insect vectors, and the resulting transmission of viruses. This collection of research articles sheds light on the multifaceted interactions that influence the spread of viral diseases in plants and explores potential strategies for effective control.

This Special Issue underscores the pivotal role of insect vectors, such as aphids, whiteflies, and leafhoppers, in transmitting viruses to plants. These vectors not only facilitate viral transmission but also impact the viral acquisition and inoculation processes. The complex interplay between vectors and viruses, as well as their interactions with the host plants, have far-reaching implications for disease development and progression.

Ultimately, the research presented in this Special Issue contributes to the broader goal of safeguarding agricultural productivity and food security in the face of emerging challenges posed by vector-borne plant diseases.

microorganisms

IMPACT FACTOR 4.5 | Indexed in: PubMed | CITESCORE 6.4

an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Systems Biology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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, CAPlus / SciFinder, AGRIS, and other databases.
Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology (medical)*)

Contact Us

Microorganisms
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
@Micro_MDPI