

Special Issue

Emerging and Re-emerging Plant Viruses in a Context of Global Change

Message from the Guest Editors

Extant plant viruses and diseases caused by them severely impact yields of many economically important crops. In addition, new plant viruses are becoming increasingly common at the interface of cultivated and natural vegetations. Numerous factors driving the emergence of new viruses include virus evolution, genomic recombination, reassortment, agricultural diversification, urbanization, global trade, and human migration. Furthermore, climate change and intensification practices could aggravate the risk of new and emerging viruses. These emerging viruses impact the regional agroecosystem and pose a risk to food security and the local economy. To what extent do these new emerging and re-emerging viruses threaten native plant communities and diversity is not well investigated. This Special Issue highlights the impact of emerging and re-emerging viruses in the newly introduced regions, assays to detect the virus in managed and natural vegetation, vector, beneficial population, high-throughput sequencing, host–virus–vector interaction, virus management using conventional and genomic tools, and steps to mitigate virus spread.

Guest Editors

Dr. Sudeep Bag

Prof. Dr. Albert K. Culbreath

Prof. Dr. Rajagopalbabu Srinivasan

Deadline for manuscript submissions

closed (15 January 2024)



Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/120587

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

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





Pathogens

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics.

Pathogens is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

Prof. Dr. Hinh Ly

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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, MEDLINE, PMC, Embase, PubAg, CaPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Infectious Diseases)