

## Special Issue

# Plant-Microbe-Invertebrate Pest Interactions

### Message from the Guest Editors

Dear colleagues, Advances in the last decades concerning the application of mass sequencing technologies allowed an unprecedented capacity to study in detail the complex interactions that link host and pathogens, including the sophisticated evolutionary adaptations of obligate symbionts or of pest-interacting endophytic species. The focus of this Special Issue is on highlighting the role of microbial parasites and pathogens in their tri-trophic interaction with plants and invertebrate pests such as insects, nematodes, and mites. Our goal is to gather contributions describing results from original experimental work, as well as biogeographic reports, on new host-parasite associations and the application of forecasting and descriptive models, as well as molecular studies on pathogens and symbionts. Reviews offering new perspectives, including omic-based and molecular ecology data on the biology of invasive species and associated microbiomes, are also welcome.

---

### Guest Editors

Dr. Aurelio Ciancio

Istituto per la Protezione Sostenibile delle Piante, CNR, Bari, Italy

Dr. Isabella Pentimone

CNR, Institute for Sustainable Plant Protection

---

### Deadline for manuscript submissions

closed (30 October 2022)



## Pathogens

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.8  
Indexed in PubMed



[mdpi.com/si/34984](https://mdpi.com/si/34984)

*Pathogens*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pathogens@mdpi.com](mailto: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)