

## Special Issue

# Identification and Characterization of Plant Pathogens

### Message from the Guest Editor

Plant pathogens such as bacteria, fungi, nematodes and viruses infect agricultural crops worldwide and pose a continuous threat to food security and agriculture.

Timely identification and diagnosis are key for the effective management of plant pathogens in order to minimize their effects on crop production. The accurate identification of pathogens is based on the development of rapid, efficient and reliable diagnostic techniques for specific plant pathogens. Therefore, the need arises to focus on the range of currently available techniques that are used worldwide for the detection of plant pathogens. In this Special Issue of *Pathogens*, authors are welcome to submit papers on the traditional and advanced identification techniques specific to bacteria, fungi, nematodes and viruses. It is our intention that this Issue focus on biological characterization (host range, symptomatology, transmission), serological techniques and molecular or nucleic acid-based characterization (RT-PCR, genome characterization, cloning, Sanger sequencing, high-throughput sequencing, and nanopore sequencing), which are helpful in the development long-term integrated management strategies.

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### Guest Editor

Prof. Dr. Akhtar Ali

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### Deadline for manuscript submissions

closed (20 April 2025)



## Pathogens

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## 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.

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### Editor-in-Chief

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