Special Issue

Phytopathogens: Detection and Control

Message from the Guest Editor

Our Special Issue focuses on the identification and management of plant pathogens that are critical not only for ensuring agricultural productivity, but also for the sustainability of forest ecosystems. This Special Issue focuses on cutting-edge research on various aspects, including the following:

- Novel detection methods: exploring advanced techniques such as genomic, proteomic, and metabolomic approaches for accurate and rapid identification of phytopathogens.
- Disease surveillance and monitoring: discussing strategies for early detection and monitoring of pathogen outbreaks to prevent widespread crop damage.
- Host–pathogen interactions: investigating the molecular mechanisms underlying plant–pathogen interactions to develop targeted control strategies.
- Sustainable management practices: emphasising environmentally friendly approaches such as biological control, resistant plant varieties, and cultural practices to mitigate the impact of phytopathogens.
- Integrated pest management: exploring holistic approaches that combine multiple control methods to achieve effective and sustainable disease control.

Guest Editor

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About the Journal

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.

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