Special Issue

Advances in Fungal Plant Pathogens: Diagnosis, Resistance and Control

Message from the Guest Editor

This Special Issue will focus on recent advances in the study of fungal plant pathogens, encompassing their diagnosis, plant resistance mechanisms, and innovative control strategies. Fungal diseases pose a significant threat to global agriculture, leading to substantial economic losses and food security challenges. Understanding pathogen biology, host interactions, and resistance mechanisms is crucial for developing effective management strategies. We welcome original research articles, reviews, and short communications addressing topics such as novel diagnostic tools, molecular and genetic approaches to plant resistance, and sustainable disease control methods, including biocontrol, chemical treatments, and integrated pest management. Studies exploring the impact of climate change on fungal pathogen dynamics and resistance evolution are also encouraged. We look forward to providing a platform on which researchers can promote the latest findings in fungal plant pathology.

Guest Editor

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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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