

Special Issue

Biological Control of Plant Diseases Caused by Pathogenic Microorganisms—2nd Edition

Message from the Guest Editor

Pathogenic microorganisms can cause crop diseases in various plants, leading to a decline in the quality and yield of crops. To more sustainably mitigate the impact of crop diseases on plant health and productivity, there is a need for safer and more eco-friendly strategies than chemical prevention. As an alternative, biological control has received increasing attention in pathogen management. The use of microorganisms or their metabolites to prevent plant diseases is eco-friendly and usually safe for food products. In recent years, quorum quenching based on quorum sensing has been adopted as a potential biocontrol approach for controlling plant diseases due to its relationship with pathogenic multi-antibiotic-resistant microorganisms. This Special Issue aims to collect research dealing with the biological control of plant diseases via quorum quenching, antagonistic microorganisms, or their metabolites that are relevant to phytopathology, microbiology, biochemistry, molecular biology, genetics, chemistry, or any omics-based science.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

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