Special Issue

Detection and Diagnostics of Bacterial Plant Pathogens

Message from the Guest Editor

Plant bacterial pathogens infect plants worldwide and cause damages and losses to plant quality and yield. The early and quick detection and diagnostics of bacterial plant pathogens are critical for developing efficient approaches to control these harmful plant pathogens and diseases to reduce economic losses. However, there are challenges in the early and quick detection and diagnostics of some of these bacterial pathogens. In recent decades, there have been significant improvements and developments in microscopy skills, next-generation sequencing techniques, molecular and genetic tools, omics approaches, etc. All these facilitate and improve our capability to detect and diagnose these harmful plant bacterial pathogens quicker and more efficiently. This Special Issue aims to address how different techniques can help us to detect, diagnose, and quantify these harmful plant bacterial pathogens with more sensitivity, accuracy, convenience, and feasible applications. Case studies of newly identified plant bacterial pathogens using different approaches will also be included in this Special Issue.

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, 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.

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