

Special Issue

Molecular Diagnosis and Control of Plant Diseases

Message from the Guest Editors

Plant pathogens cause significant losses by infecting the crops during the production stage and after harvest. The accurate and early diagnosis of plant disease is vital in managing the disease. In the changing climatic situations, numerous new pathogens and host reports are being made from across the globe. The diverse pathogens such as fungi, bacteria, viruses, nematodes, and weeds are being distributed continuously due to globalization and other anthropogenic activities. Disease diagnosis on the basis of symptoms may not be efficient to suppress these diseases as pathogens might become established well before the plant responds to the pathogen attack. Plant diseases can be coped with successfully if control procedures are introduced at an early stage of epidemic development. Recent advances in biotechnology and information technology are being applied to the development of rapid, specific, and sensitive tools for the detection of phytopathogens. This Special Issue invites authors to submit manuscripts on the development and use of immunological and nucleic acid hybridization-based methods, image sensors and artificial intelligence for pathogen detection in crop systems.

Guest Editors

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Deadline for manuscript submissions

closed (25 January 2024)



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