

Special Issue

Plant Disease Epidemiology: Changing Perspectives, Emerging Technologies and Prediction Modeling

Message from the Guest Editors

Currently, crops are under greater threats than ever before. Climate change and variability are putting formidable pressure on agroecosystem and driving new research in crop protection. The increasing commercial exchange and movement of plant materials and pathogens are enabling foreign pathogens to establish and thrive as invasive species in new agricultural areas. The intensification of agricultural practices has resulted in increased pesticide resistance, favoring disease development. Disease management is strongly influenced by socio-economic elements outside the concern of biological sciences. Consequently, the complexity of future requirements for plant disease management may be difficult to address. This Special Issue focuses on how epidemiology can be used to enhance our knowledge of crop disease development in a continuously changing environment, to predict future requirements in disease management and to design novel crop disease management approaches. We welcome contributions that present epidemiological approaches to enhance our understanding of pathogen and host population dynamics and discuss novel crop management solutions or alternatives.

Guest Editors

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Deadline for manuscript submissions

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Editor-in-Chief

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