

Special Issue

Plant Diseases: Interactions, Resistance, Epidemiology, and Control

Message from the Guest Editors

Due to global climate warming, increasing transportation of agricultural products and planting materials and intensive agricultural farming practices, the epidemics of emerging pathogens and known pathogens significantly threaten crop production. The development of a control measure for a plant disease in a crop requires a good understanding of the epidemiology which involves the pathogen, host, vectors and changing environment. Epidemiology concerns how and why a pathogen spreads in a plant population, and the consequences in terms of disease. In recent years, the understanding of the interactions between crop pathogens, their hosts and vectors, and the epidemic rules of various crop diseases have increased significantly. In particular, we welcome contributions on the following topics: Pathogen–host interactions during viral replication, translation, movement and host resistance; Pathogen–vector interactions during transmission; Epidemic determinants; Current understanding of the best management strategies to control crop diseases.

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