Special Issue

Plant-Pathogen Interaction 2.0

Message from the Guest Editors

Plant pathogens cause severe loss in natural plant systems, as well as in terms of economics and production in the agriculture systems. While many biotic constraints are well known, and confronted with variable success, the occurrence of emerging pathogens and the progressive incidence of novel virulent strains, races or pathotypes are evident. Moreover, the practicability of some of the currently available crop protection measures is questioned. Understanding how pathogens adopt an appropriate adaptive mechanism during plant infection, as well as the exploitation of the diversity of mechanisms that plants process to control the resistance/susceptibility to plant diseases, will aid in the conserving of nature and ecosystem services and is also of benefit for agriculture and forestry. The identification of regulatory components involved in the processes will be of major importance for sustainable plant–disease management. Knowledge of plant–pathogen interactions could aid in the prevention of disease in plants, which would be beneficial to agricultural production and to global food security

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