Special Issue

Decoding Plant-Pathogen Interactions: Unraveling Signaling and Defense Mechanisms

Message from the Guest Editors

The most crucial research area in modern plant pathology is unraveling the signaling and defense mechanisms triggered in plants by various pathogens. Moreover, advantageous and unadventurous changes in environmental conditions such as light, temperature, humidity or soil composition can influence the occurrence of plant diseases or plant tolerance/resistance to viruses, bacteria and fungi. In this Special Issue, we focus on the metabolic and genetic determinants of crop plant diseases and resistance, which can be investigated using many methods, including microscopic, biochemical and transcriptomic methods. The topics of interest are as follows:

- Plant disease development and its determinants;
- Metabolic profiles and secondary metabolite biosynthesis in susceptible and resistant plants;
- Analysis of the plant transcriptome during a pathogen attack.

In this Special Issue, we welcome original research papers performed under laboratory and field conditions and reviews on all aspects of plant–pathogen interactions, including their mechanisms and signaling.

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Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

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