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Plant Disease Control: Molecular and Cellular Aspects

Guest Editor:

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Message from the Guest Editor

Plant diseases have since antiquity shaped many aspects of our societies and agricultural practices. A better understanding of the interactions that plants establish with potential pathogens and what determines the outcome of these interactions would provide new opportunities to manage plant disease. This Special Issue of *Plants* invites original papers, reviews, and opinions on all aspects of plant adaptation to biotic stress with an emphasis on descriptive and mechanistic features at the cellular, tissue, or whole plant level. From pathogenesis to tolerance or resistance, all mechanisms and determinants will give us important insights that could help to understand and enhance plant disease control. In addition, the use of biological agents to prevent the development of plant disease is an old concept that raises renewed interest due to a general desire to reduce the use of pesticides. We now need to better understand how micro-organisms interact with the plant and with other members of the plant-associated microbiota for the isolation and development of effective biological agents. New knowledge on these interactions and mechanisms is welcome.



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Special Issue



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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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