



## **Molecular Mechanisms and Approaches in Plant-Microbe Interactions and Disease Control**

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### **Message from the Guest Editors**

Plant diseases caused by fungal, bacterial, viral, nematode, and oomycete pathogens are a major threat to crop yield and quality worldwide. Due to the arms race between pathogen infection and plant disease resistance strategies, continuous efforts must be made to enhance disease control in agricultural practice; for this, a deeper understanding of the molecular mechanisms of plant-pathogen interactions is necessary. This Special Issue is devoted to recent advances in plant disease resistance at the molecular level and cutting-edge approaches for plant disease control. All relevant molecular and genomic research topics are welcome, including but not limited to plant resistance gene identification and functional analysis, the molecular basis of biological control agent mechanisms, soil and leaf microbiomes involved in plant pathogen control, effectors and their host targets, plant receptors for triggering resistance, pathogen-associated molecular patterns (PAMPs), plant pathways related to PAMP-triggered immunity (PTI) and effector-triggered immunity (ETI), crop genetic engineering and genome editing techniques for improving disease resistance.





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## Message from the Editor-in-Chief

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