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The Molecular Role of Plant Receptors in Resistance to Biotic Stress

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Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

To defend against constant biotic challenges, plants employ numerous cell-surface resident pattern recognition receptors (PRR) and intracellular nucleotide-binding domain leucine-rich repeat-containing receptors (NLRs) to perceive biotic attack-associated signals and, subsequently, initiate patterns-triggered immunity (PTI) and effectors-triggered-immunity (ETI), respectively. Recently, several ground-breaking and attractive studies showed that these two classes of receptors intricately cooperated to ensure robust immune responses, although they possess special roles in plant immunity. However, there are still many mysteries covering the PRR- or NLR-mediated plant immunity against biotic stress to be unveiled. The Special Issue on “The Molecular Role of Plant Receptors in Resistance to Biotic Stress” welcomes the submission of research on the PRRs and NLRs or their partners mediated plant immune responses against biotic stress from microbes, herbivores, viruses, nematodes, or parasitic plants. The Special Issue will also cover the studies on the structure, evolution, and distribution of two classes of receptors in various plant species.



mdpi.com/si/150715

Special Issue



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Message from the Editor-in-Chief

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