Special Issue

Molecular and Genetic Mechanisms of Plant Disease Resistance

Message from the Guest Editors

Plant disease poses a great challenge for agriculture. In order to minimize the negative impacts of disease on growth repression and yields reduction, plants undergo physiological and biochemical adjustments. Studying how plants respond and adapt to disease is of great importance, not only for fundamental understanding of disease resistance but also to help generate disease-resistant crops. Foundational discoveries made in plant disease resistance response will eventually guide the development of crops that are resistant to disease. We welcome submissions of original research papers, reviews, and methods, including (but not limited to) research on the following sub-themes:

- The molecular, physiological and genetic basis of disease resistance in plants.
- The crosstalk between disease resistance and other biotic/abiotic stresses.
- The discovery of novel disease-resistance pathways and genes.
- The methods to enhance disease resistance of plant.
- The molecular and functional genomic approaches for disease resistance crops selection and breeding.

Guest Editors

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