Special Issue

Genetic Regulation of Biotic Stress Responses

Message from the Guest Editor

Plant diseases caused by phytopathogens can seriously affect the productivity and quality of crops. A large number of studies have focused on the genes of resistance or susceptibility, as well as the action mechanisms of crop disease. The study of plant–pathogen interactions would contribute to our understanding of resistance responses of the plant host and the infection mechanism of the phytopathogens. This would also help us to discover novel resistance genes, then raise novel resistance varieties and develop pesticides with novel action targets. At present, the sequencing of whole-genome, whole-transcriptome, degradome, metabolome, and some bioinformatics methods involved with predicting resistance genes could be used in studying the resistance responses of the host. These would contribute to revealing the response mechanisms. This Special Issue will publish research articles detailing the response mechanisms of a plant host during infection, and also review the latest advances in plant–pathogen interactions. We expect to publish sixteen to eighteen research articles and two or three review articles in this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (15 August 2024)

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Genes

an Open Access Journal by MDPI

Impact Factor 2.8
CiteScore 5.5
Indexed in PubMed

mdpi.com/si/134443

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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