Molecular Breeding for Plant Disease Resistance

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Message from the Guest Editors

Dear Colleagues,

Plants in their natural environment must inevitably coexist with other organisms. This coexistence is not always "peaceful" and they often find themselves attacked by a wide variety of pathogens, which can also get the best of them. Marker Assisted Selection (MAS) and molecular breeding strategies are helping the breeder considerably in developing resistant genotypes and represent a winning strategy to speed up the breeding programs. Furthermore, advancements in sequencing techniques and genomics, high throughput genotyping and advanced statistical approaches strongly support the development of new breeding strategies in disease resistance.

This special issue will collect scientific papers concerning the whole process of identification and use of markers and genetic strategies for breeding disease-resistant plants.

Special issue

Editor-in-Chief

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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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