



Genomics of Fungal Plant Pathogens, 2nd Edition

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Message from the Guest Editors

Fungi cause most of the severe plant diseases that endanger food safety worldwide. Resistance to fungal pathogens is a major target of breeders; however, the unexpected mutation of avirulence genes has caused a boom and burst cycle in resistance and resistance breakdown. Fungicide-based chemical control is still the most important method to control plant fungal diseases, but most fungicides induce fungi to develop fungicide resistance. Recent advances in sequencing technologies have led to remarkable progress in understanding plant–fungal interactions based on the dissection of fungal genomes. The findings of these studies can be exploited to optimize beneficial interactions and to develop new plant-protection strategies.

This Special Issue is aimed at compiling research, reviews, and opinion articles covering new scientific discoveries in plant–fungal genomics. Articles covering new insights in genomic sequencing, functional genomics, proteomics, metabolomics, molecular biology, ecology dissection, and the molecular mechanisms involved in plant–fungal interactions at the genome level are welcomed.





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Message from the Editor-in-Chief

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