

## Special Issue

# New Advances in Plant-Fungal Interactions

### Message from the Guest Editor

The study of plant–pathogen interactions could contribute to our understanding of the occurrence and epidemic laws of diseases, pathogenic mechanisms of pathogens, and resistance responses of the host. At present, the axial regulation mechanisms from non-coding RNAs and coding RNAs to proteins can help us to better understand plant–pathogen interactions. In addition, the emerging field of bidirectional regulation mechanisms from plant host and pathogens at the RNA level can help us to reveal the mechanisms of infection or resistance responses of the host. Meanwhile, whole-transcriptome sequencing, degradation sequencing, and single-cell sequencing, as well as the study of the interactions between coding RNAs and non-coding RNAs (circular RNAs, long non-coding RNAs, and microRNAs), would provide many methods for studying the interaction of plant host and fungal pathogens. We expect to publish 18 to 20 research articles and review articles in this Special Issue. The research field will be related to some important food crops, vegetables, and cash crops, and the latest advances in plant and disease interaction will be reviewed.

### Guest Editor

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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### Editor-in-Chief

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