

## Special Issue

# Functional Genomics of Disease Resistance in Crops

### Message from the Guest Editors

Genetic resistance/tolerance is believed to be the most effective and efficient method to manage crop diseases; thus, the study of the functions of resistance-related genes is of critical importance in modern agriculture. Functional genomics is the study of how genes and intergenic regions of genomes contribute to different biological processes, including disease resistance. It can utilize the vast data generated by genomic and transcriptomic projects. Scientists around the world have used functional genomics approaches for understanding plant resistance and developing effective tools for the control of diseases. Recently, genome editing tools, especially the CRISPR/Cas system, have been utilized for functional analyses, and subsequently crop improvement. Functional genomics of disease resistance in crops is embracing a bright future in the omics era. The forthcoming Special Issue aims to provide a comprehensive and updated understanding of functional genomics of disease resistance in crops, with a particular interest in novel techniques used in the functional study of disease-resistance-related genes.

### Guest Editors

Dr. Fengqun Yu

Saskatoon Research and Development Centre, Agriculture and Agri-Food Canada, 107 Science Place, Saskatoon, SK, Canada

Prof. Dr. Zhen Huang

College of Agronomy, Northwest A & F University, Xianyang, China

### Deadline for manuscript submissions

closed (29 February 2024)



## Plants

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

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