

Special Issue

Research Progress on Pathogenicity of Fungi in Crops —2nd Edition

Message from the Guest Editors

This Special Issue mainly focuses on research papers related to fungal pathogen identification and phylogeny, comparative genomics, the molecular genetics of fungal plant pathogens, the molecular mechanisms of pathogenic fungi, and the molecular basis of fungal–crop interaction. In the context of this Special Issue, studies on pathogenic fungal diseases related to fruit trees and vegetables are highly important. In this Special Issue, we aim to share knowledge on any aspects related to the progression of pathogenic fungi, thus facilitating the sustainable development of crop production in plant cultivation.

Keywords:
pathogenic fungi, identification, phylogenicity, molecular mechanism, pathogenic-related gene, fungi–host interaction.

Guest Editors

Dr. Yunpeng Gai

School of Grassland Science, Beijing Forestry University, Beijing 100083, China

Dr. Hong-Kai Wang

State Key Laboratory of Rice Biology, Institute of Biotechnology, Zhejiang University, Hangzhou 310058, China

Deadline for manuscript submissions

30 September 2025



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/196547

Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)



About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)