

## Special Issue

# Mechanism and Sustainable Control of Crop Diseases

### Message from the Guest Editors

As global climate change continues, crop diseases are becoming more frequent and severe. Crop diseases, ranging from *Fusarium* head blight in wheat to rice blast in rice and extending to rust in corn, have a profound and detrimental effect on not only the growth and productivity of these crops but also pose a significant risk to global food security and agro-ecological stability. Researching and understanding the pathogenic mechanisms of these crop diseases and the functioning of the plant immune system can help us find more effective prevention and control strategies, thereby increasing crop yields and ensuring food security. We aim to report a collection of the latest research, methods, and perspectives in this field. We hope that this Special Issue can facilitate communication among researchers. These exchanges will contribute to the formation of new research ideas. Research articles, short communications, and reviews are all welcome as a part of this Special issue.

### Guest Editors

Dr. Fei He

Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Beijing, China

Dr. Yuheng Yang

College of Plant Protection, Southwest University, Chongqing 400715, China

### Deadline for manuscript submissions

closed (31 March 2025)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/193157](https://mdpi.com/si/193157)

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