



## New Advances in Cereal-Fungal Pathogen Interactions

Guest Editors:

**Dr. Caterina Morcia**

Research Centre for Genomics and Bioinformatics (CREA-GB), Council for Agricultural Research and Economics, 29017 Fiorenzuola d'Arda, Italy

**Dr. Katia Gazzetti**

Department of Agricultural and Food Sciences, University of Bologna, Viale G. Fanin 46, 40127 Bologna, Italy

Deadline for manuscript submissions:

**30 September 2024**

### Message from the Guest Editors

Fungal diseases that affect cereals, the most important crops worldwide, are a major risk factor that influence food quality and security. A thorough understanding of pathogens' adaptation mechanisms in hosts and hosts' defense response modulation are key factors in the fight against fungal diseases. Different investigations offer information regarding fungal pathogenesis, host resistance, and mechanisms of action for disease control. In particular, omics techniques, including genomics, metabolomics, transcriptomics, proteomics, and metagenomics, provide valid and powerful tools to help widen our knowledge on intricate interactions among pathogens, hosts, soil natural microflora, the rhizosphere, and environmental conditions.

We present this Special Issue with the aim to provide an international platform for a broad audience of researchers to explain and discuss new advancements in studies concerning the complex relationships between pathogens and hosts during fungal infection in cereal crops. We welcome original research articles, scientific reports, communications, and review articles.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Leslie A. Weston

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

## 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.

## 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 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)

## Contact Us

---

*Agronomy* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/agronomy  
agronomy@mdpi.com  
X@Agronomy\_Mdpi