

Special Issue

New Advances in Cereal-Fungal Pathogen Interactions

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.

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

closed (30 September 2024)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/119799

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

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)