

# Special Issue

## Fungal Diseases of Cereals

### Message from the Guest Editors

Cereals are among the most important crops worldwide. Maintaining both yield and quality is crucial to ensuring food safety and security. However, fungal diseases represent a major threat to these goals. Many fungal pathogens, some of which are seed-transmissible, can infect plants at all stages of development, affecting roots, stems, leaves, spikes, and grains. Several pathogens that attack spikes and grains are also mycotoxigenic, leading to contamination that poses serious risks to human and animal health. Effectively managing these diseases is a key challenge for stakeholders across the global cereal value chain. This Special Issue aims to gather contributions on the latest advances in the study of fungal diseases of cereals. Submissions on topics including global pathogen surveys, pathogen biology, plant–pathogen interactions, diagnostics, resistance breeding, and integrated or biological disease management are welcome, and studies on mycotoxigenic fungi and mycotoxin contamination of grains are also encouraged.

---

### Guest Editors

Dr. Lorenzo Covarelli

Department of Agricultural, Food and Environmental Sciences,  
University of Perugia, Borgo XX Giugno 74, 06121 Perugia, Italy

Dr. Giovanni Beccari

Department of Agricultural, Food and Environmental Sciences,  
University of Perugia, Borgo XX Giugno 74, 06121 Perugia, Italy

---

### Deadline for manuscript submissions

31 October 2026



## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/276324](https://mdpi.com/si/276324)

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

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





## Microorganisms

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.2  
CiteScore 7.7  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

---

### Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).