

## Special Issue

# Plant Immunity Induced by BioControl Agent (BCAs) in Plant Pathogen Infection

### Message from the Guest Editor

Plants have developed multiple levels of defense responses to environmental challenges, rendering them remarkably resilient to a vast array of microbial infections. The use of eco-friendly or beneficial biocontrol agents (BCAs) provides a reliable and sustainable alternative to synthetic pesticides to reduce the damage caused by phytopathogens on agricultural plantations and increase the yield and quality of crops. This Special Issue is devoted to the molecular mechanisms that induce the plant immunity to phytopathogens via biocontrol agents. It will include original articles and reviews including all aspects of the plant–BCA–microbe tripartite interaction. In this respect, potential topics will not be limited to plant immunity modulation, but it will include all physiological aspects related to specific BCAs' molecular responses deployed whether in planta or in contact with phytopathogens and/or host microbiomes.

---

### Guest Editor

Dr. Jean Stéphane Venisse

UMR Integrative Physics and Physiology of Trees in Fluctuating Environments, University Clermont Auvergne-INRAE, 63000 Clermont-Ferrand, France

---

### Deadline for manuscript submissions

closed (31 December 2022)



**Microorganisms**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.1**  
**CiteScore 7.4**  
**Indexed in PubMed**



[mdpi.com/si/91580](https://mdpi.com/si/91580)

*Microorganisms*  
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 4.1  
CiteScore 7.4  
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 Systems Biology, 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 - Q2 (Microbiology)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 13.4 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2024).