

Special Issue

Advances in Biological Control of Plant Diseases

Message from the Guest Editors

The control of diseases and pests in many crops can be a challenge. The development of agents to control plant diseases is an important topic in agricultural science. Biological control has become one of the most important developments in this effort. It is mainly based on the use of microorganisms with different functions. Current research on these strains concerns not only their effects on plants, but also their in-depth phenotypic and genetic characterization. Classical and modern microbiological methods make it possible to study the phenotypic properties of a given strain and its ability to grow under unfavorable environmental conditions. Analysis of the genome of a bacterial strain makes it possible to determine the strain's potential ability to fight pathogens and promote plant growth. This Special Issue focuses on finding ways to reduce the incidence of plant diseases through the use of microorganisms. The articles composing this Special Issue will cover interdisciplinary research, including microbiology and plant pathology. Articles describing metataxonomic research conducted to understand the microbiomes of different environments are also welcome.

Guest Editors

Dr. Anna Marzec-Grządziel

Microbiology Department, Institute of Soil Science and Plant Cultivation, 24-100 Puławy, Poland

Prof. Dr. Anna Gałązka

Department of Microbiology, Institute of Soil Science and Plant Cultivation—State Research Institute, 24-100 Puławy, Poland

Deadline for manuscript submissions

closed (15 December 2023)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



mdpi.com/si/150696

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

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





Agriculture

an Open Access Journal
by MDPI

Impact Factor 4.5
CiteScore 7.8



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



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental
Sciences, The University of Sydney, Sydney, NSW 2006, 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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)