

Special Issue

Biocontrol of Plant Diseases Using Beneficial Microorganisms and Their Derivatives: From Perception to Mode of Action

Message from the Guest Editor

The present issue will present state-of-the-art research results, visions, and theories, as well as specific methods for sustainable plant diseases management in changing climatic conditions. Submissions on (but not limited to) the plant–microbe interaction are invited to foster knowledge by understanding the biocontrol mechanisms on the plant host through: (i) increasing the fundamental insight into the underlying molecular and physiological mechanisms involved in the tripartite interactions between MBCAs and their derivatives, pathogens, and plants under climate change mitigation: What are the modes of action of beneficial microorganisms? How do the plants react? (ii) studying the interaction between genetic background of the plant host and the MBCA-induced resistance; and (iii) elucidating the impact of changing environmental conditions on biocontrol performance. This issue will be useful not only for students, teachers, and researchers but also for those interested in agriculture microbiology, plant pathology, biological control, environmental science, and agronomy.

Guest Editor

Prof. Dr. Essaid Ait Barka

Research Unit Induced Resistance and Plant Bioprotection, University of Reims, EA 4707 USC INRAe 1488, SFR Condorcet FR CNRS 3417, 51100 Reims, France

Deadline for manuscript submissions

closed (1 August 2020)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/33778

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

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