

Special Issue

Microbiota-Mediated Crop Stress Resistance against Abiotic Constraints

Message from the Guest Editors

Several techniques are used to enhance plant productivity, such as the selective breeding of varieties that provide the highest yields. However, abiotic stressors exert additional pressure on agricultural systems. Therefore, breeding for yield may not be enough, highlighting the need for strategies that integrate productivity in abiotic stress contexts. The use of beneficial microorganisms to improve plant productivity under these conditions is the focus of various researchers and, due to the economic and environmental sustainability potential of this approach, has attracted significant attention from the agricultural industry and society. This Special Issue invites the submission of research and review manuscripts that exploit the use of beneficial microbes to enhance crop productivity, such as bacteria and fungi applied alone or in consortia, resulting in visible effects on the yield of different crops in different abiotic conditions. Studies that provide novel information on plant-growth-promoting traits and plant-microbe interactions, as well as those that provide data derived from omics approaches or new materials, are particularly welcomed.

Guest Editors

Dr. Paulo Cardoso

Dr. Etelvina Figueira

Dr. C tia Ven ncio

Deadline for manuscript submissions

closed (31 October 2023)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/168094

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)