

Special Issue

Abiotic Stress Responses and Microbe-Mediated Mitigation in Plants

Message from the Guest Editor

This Special Issue addresses plant responses to abiotic stress (e.g., drought, salinity, and extreme temperature) and the mechanisms of plant–microbe–soil interactions under stressful environmental conditions. The issue will highlight: (1) recent progress in fundamental research (abiotic stress-induced physiological and biochemical, metabolomic, cellular, and molecular changes in plants); (2) applied experimental studies and emerging biotechnologies that substantially enhance agricultural production and sustainability (e.g., microbe-mediated mitigation in crops). This Special Issue welcomes contributions that dissect the underlying mechanisms of interactions among plants, beneficial microorganisms, and soils. We encourage the submission of manuscripts that focus on abiotic stress-induced molecular, cellular, and physicochemical changes in plants. The following article types are particularly welcomed: Original Research and Reviews.

Guest Editor

Prof. Dr. Ying Ma

Centre for Functional Ecology, Department of Life Sciences, University of Coimbra, 3000-456 Coimbra, Portugal

Deadline for manuscript submissions

closed (20 March 2023)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/82126

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), GEOBASE, PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)