

Special Issue

The Structure of Plant Microbiomes and the Implications for Sustainable Agriculture

Message from the Guest Editors

The primary aspects of this topic include understanding the factors that influence the structure of plant microbiomes, ranging from soil conditions and plant genetics to environmental factors. The implications for sustainable agriculture form a critical aspect of this research, as unravelling the intricacies of plant microbiomes could pave the way for the establishment of innovative agricultural practices. The insights gained from studying plant-microbe interactions offer opportunities to enhance the productivity of crops, reduce reliance on external inputs such as fertilizers and pesticides, and contribute to the development of more sustainable and environmentally friendly agricultural systems. We welcome researchers to submit articles related to the composition and diversity of plant microbiomes, factors influencing the structure of plant-associated microbial communities, the functional dynamics of plant-microbe interactions, and sustainable agricultural practices informed by microbiome research.

Guest Editors

Dr. Zongzhuan Shen

Department of Plant Nutrition and Fertilizer, College of Resources and Environmental Sciences, Nanjing Agricultural University, Nanjing 210095, China

Dr. Beibei Wang

Hainan Key Laboratory for Sustainable Utilization of Tropical Bio-Resources, College of Tropical Crops, Hainan University, Haikou 570228, China

Deadline for manuscript submissions

closed (31 October 2024)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/197686

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)