

Special Issue

Dryland Agriculture and Farming Techniques: From Soil to Plant Nutrient

Message from the Guest Editor

Dryland farming plays an essential role in agricultural production and global food supply security. However, shortage of water resources, low precipitation and asynchrony between crop growth and distribution limit crop production. Simultaneously, dryland agriculture is facing a great challenge of a growing world population and increasing extreme weather events in recent years. Modern dryland agriculture must respond to the new challenge to meet the agricultural Sustainable Development Goals. This Special Issue's topics include, but are not limited to, the following: (i) Optimized fertilization practices, cropping systems and agronomic strategies for improving the limited water resource use efficiency and crop productivity; (ii) Evaluation of the effects of fertilizer management on the soil nutrient cycle and water cycle; (iii) Modeling of soil water and nutrient cycling and availability in dryland farming; (iv) Innovation in dryland farming technologies, such as climate-smart agriculture (CSA) and precision agriculture.

Guest Editor

Prof. Dr. Jun Fan

Institute of Soil and Water Conservation, Northwest A&F University, Yangling 712100, China

Deadline for manuscript submissions

closed (20 October 2022)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.2



mdpi.com/si/94404

Agronomy
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 3.3
CiteScore 6.2



[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 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)