

## Special Issue

# Hydrological Advances and Applications in Agricultural Lands

### Message from the Guest Editors

Understanding hydrological processes and managing water resources is becoming increasingly crucial in agroecosystems. To date, scientific advances in irrigated, water-limited, or rainfed agricultural production systems continue to understand the critical roles and mechanisms of hydrological processes in agricultural lands across different climates and spatial scales. New ideas in hydrological understanding and applications for sustainable agricultural land and water management are increasingly emerging worldwide.

This Special Issue intends to cover the state-of-the-art and recent scientific developments and to identify knowledge gaps and research challenges in different important and challenging aspects of hydrological understanding and applications to solve agricultural land and water management as well as environmental sustainability issues in agricultural production systems. All contributions or article types (original research, reviews, technical notes, and communication) providing recent discoveries and new insights into hydrological understanding for agricultural land and water conservation and management are encouraged.

---

### Guest Editors

Dr. Sanjit Deb

Associate Professor, Department of Plant and Soil Science, Texas Tech University, Lubbock, TX 79409, USA

Dr. Xiuli Zhong

Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences, Beijing 100081, China

---

### Deadline for manuscript submissions

closed (30 April 2024)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.7



[mdpi.com/si/170463](https://mdpi.com/si/170463)

*Agronomy*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agronomy@mdpi.com](mailto:agronomy@mdpi.com)

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





# Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 6.7



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