

## Special Issue

# Management of Soil Constraints to Improve Crop Performance in Water-Limited Environments

### Message from the Guest Editors

Dear colleagues, Management of soil constraints to improve crop performance in water-limited environments is the key to maintaining profitable agriculture systems. Soil constraints include soil water repellency, soil aluminium toxicity or soil acidity, soil compaction (natural and induced), salinity, sodicity, boron toxicity and nutrient deficiencies. Management practices are designed to overcome these soil constraint where low and variable growing season rainfall has become more prevalent in recent years due to climate change. This Special Issue aims to publish studies demonstrating that managing soils these constraints can increase the profitability and sustainability of the agricultural system in water-limited environments. We would like to invite you to contribute to this Special Issue by submitting reviews, case studies, research papers, and opinion articles of studies from the rainfed regions, but especially from the mediterranean and semi-arid tropical climates.

---

### Guest Editors

Dr. Geoff Anderson

Department of Primary Industries and Regional Development,  
Government of Western Australia, 75 York Road, Northam, WA 6401,  
Australia

Dr. Ed Barrett-Lennard

Department of Primary Industries and Regional Development, 3 Baron-Hay Court, South Perth, WA 6151, Australia

---

### Deadline for manuscript submissions

closed (31 March 2021)



## Agronomy

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/46292](https://mdpi.com/si/46292)

*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 3.4  
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)