

## Special Issue

# Adaptive Response of Grasslands to Climate and Microclimates Changes

### Message from the Guest Editors

The subject of this research topic is to explore the above-ground community and below-ground soil processes, function changes, and driven mechanisms of grassland ecosystems (natural grassland and artificial grassland) responding to direct changing climate or indirect microclimate change caused by disturbances (e.g., dynamics of temperature and precipitation, extreme weather events, grazing disturbance, ecological restoration or protection projects). We invite papers from researchers to share new ideas, techniques, and findings about this subject from field control test experiments, temporal and spatial-scale studies, or remote sensing studies. These studies will provide insight into the effects of the direct changing climate or the indirect microclimate changing on the above-ground community and below-ground soil processes, and function changes of grassland ecosystems. This is key to predicting future successions of grassland ecosystems under the ongoing global climate and microclimate changes. These studies will influence the future development of adaptive management practices for grassland ecosystems under the ongoing climate change.

### Guest Editors

Prof. Dr. Gaolin Wu

Prof. Dr. Zhanhuan Shang

Dr. Jian Sun

### Deadline for manuscript submissions

closed (20 April 2022)



## Agronomy

an Open Access Journal  
by MDPI

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/95327](https://mdpi.com/si/95327)

*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), PubAg, AGRIS, and other databases.

#### Journal Rank:

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