

## Special Issue

# Advances in Genetics, Breeding, and Quality Traits in Forage and Turf Grass

### Message from the Guest Editors

In recent years, much progress has been achieved in the areas of forage and turf grass genetics, functional gene identification, and modification of important quality traits via direct genetic transformation. Recently, the genome sequencing of several important forage and turf grasses has been completed. With the techniques of transcriptomics, proteomics, and metabonomics, many potentially important genes and metabolic regulatory pathways have been suggested or illustrated. To summarize the latest research findings, the Special Issue will encompass the following topics: 1. Development key molecular markers on important quality traits for marker assistant breeding; 2. Gene functional identification on important quality traits, such as stress resistant, biomass yield, forage quality, and so on; 3. Development of fast breeding techniques, such as CRISPR-Cas9 genome editing technology; 4. The molecular mechanisms of grass important trait formation. Authors are invited to submit original research articles, review articles, opinion papers, and short communications.

### Guest Editors

Dr. Wanjun Zhang

College of Grassland Science and Technology, China Agricultural University, Beijing 100193, China

Prof. Dr. Jingjin Yu

College of Agro-Grassland Science, Nanjing Agricultural University, Nanjing, China

### Deadline for manuscript submissions

closed (30 June 2023)



## Agronomy

an Open Access Journal  
by MDPI

Impact Factor 3.4  
CiteScore 6.7



[mdpi.com/si/99831](https://mdpi.com/si/99831)

*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)