



Advances in Genetics, Breeding, and Quality Traits in Forage and Turf Grass—2nd Edition

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 (31 May 2024)

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 the 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 metabolomics, many potentially important genes and metabolic regulatory pathways have been suggested or illustrated. To summarize the latest research findings, this Special Issue will encompass the following topics:

1. Development of key molecular markers of important quality traits for marker-assisted breeding;
2. Gene functional identification of important quality traits, such as stress resistance, biomass yield, forage quality, etc.;
3. Development of fast breeding techniques, such as CRISPR-Cas9 genome editing technology;
4. The molecular mechanisms of important trait formation in grass.

Authors are invited to submit original research articles and review articles.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Graham Centre for Agricultural
Innovation, Charles Sturt
University, Wagga Wagga, NSW
2678, Australia

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.

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*)

Contact Us

Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)