



Grass Improvement through Integrated Omics, Physiology and Breeding Approaches

Guest Editors:

Prof. Dr. Bin Xu

College of Agro-Grassland
Science, Nanjing Agricultural
University, Nanjing 210095, China

Prof. Dr. Linkai Huang

Department of Forage Science,
College of Grassland Science and
Technology, Sichuan Agricultural
University, Chengdu 611130,
China

Deadline for manuscript
submissions:

closed (15 June 2022)

Message from the Guest Editors

The availability of plant multi-omics has given scientists a qualitative leap in their understanding of plant growth and development and the laws of adversity. These accumulating omics data when integrated with plant phenotypic and physiological analysis and/or conventional/molecular breeding strategies enable us to explore the regulation mechanism; excavate key genes related to yield, quality, disease resistance, stress resistance, etc.; and to advance breeding of grass species.

This Special Issue aims to provide a set of papers which illustrate our current progress in integrated approaches of plant omics, plant stress tolerance and yield-related gene mining, plant physiology, and breeding strategies toward grass improvement. Review articles, research articles, and short communications fell into the above-mentioned field are also encouraged.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture,
Water and Environment
Research, 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 (Plant Sciences) / 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