

Special Issue

Genetic Basis of Crop Selection and Evolution

Message from the Guest Editors

The genetic basis of crops is crucial for the improvement of crop varieties, the improvement of stress resistance, and the adaptation of crops to new environments. In the context of global climate change and population growth, a deeper understanding of the genetic basis of crops can help address major challenges, including global food security and sustainable agricultural development. The purpose of this Special Issue is to explore the genetic basis of crop selection and evolution and investigate the genetic mechanisms of crop variety formation, adaptive evolution, and interaction with the environment. Through comprehensive literature reviews and original research articles, this Special Issue focuses on revealing the critical role of the crop's genetic background in crop biology to promote a deeper understanding of crop growth and development, physiological function, and environmental responses. Research areas that will be covered in this Special Issue include, but are not limited to, genomics, epigenetics, germplasm resource utilization, and genetic improvement strategies.

Guest Editors

Dr. Moyang Liu
Dr. Shiling Feng
Prof. Dr. Hui Chen

Deadline for manuscript submissions

closed (20 February 2026)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/204259

Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)