



plants



an Open Access Journal by MDPI

Crop Genetics and Breeding

Guest Editors:

Prof. Dr. Hai Du

College of Agronomy and
Biotechnology, Southwest
University, Chongqing 400716,
China

Dr. Zhe Liang

Biotechnology Research Institute,
Chinese Academy of Agricultural
Sciences, Beijing 100081, China

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

As an enduring and thriving academic discipline worldwide, crop genetics and breeding play crucial roles in agricultural development, contributing to the improvement of crop varieties with desirable traits such as higher yield and/or quality, resistance to biotic and abiotic stresses, tolerance to environmental stress, adaptability to climate change, enhanced nutritional content, etc. Great advances have been made in both theoretical and applied research fields of crop genetics and breeding and its linkages with related disciplines, attributing to advancements in genomics, biotechnology, molecular biology, population genetics, multi-omics, bioinformatics, etc., which have opened new interdisciplinary areas of plant genetics and breeding. We welcome submissions of different types of manuscripts, including original research papers, reviews and methods, encompassing, but not limited to:

Genetic Diversity;

Gene Discovery;

Marker-Assisted Selection (MAS);

Genome Editing;

Quantitative Genetics;

Hybridization and Crossbreeding;

Genetic Modification;

Phenotypic Selection;

Data-Driven Breeding



mdpi.com/si/191265

Special Issue



plants



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Plant Sciences*) / CiteScore - Q1 (*Plant Science*)

Contact Us

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

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

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](https://twitter.com/Plants_MDPI)