

Special Issue

Genetic Breeding for Soybean Improvement

Message from the Guest Editors

Never before in human history has the subject of food security been as salient as it is today. Breeding for strategic crops such as soybean plays important roles in increasing food security and lifting the living standard in the near future. The rapid advancement in genetic breeding has brought great opportunities for soybean breeders to select superior genotypes in a cost-effective and timely manner. In combination with the rapid advancement in biotechnology and molecular techniques such as genome-wide association studies (GWASs), genomic selection (GS), quantitative trait loci (QTLs), haplotype-based selection, molecular design, and genome editing, soybean cultivar development methods have been moving from pedigree and conventional selection strategies to marker-assisted and genome-based selection methods. This Special Issue aims to provide comprehensive insight into the recent efforts that have been made to accelerate soybean breeding, focusing on conventional and modern soybean breeding approaches, data-driven breeding, and multi-trait breeding strategies.

Guest Editors

Dr. Mehrzad Eskandari

Dr. Mohsen Yoosefzadeh Najafabadi

Dr. Bo Zhang

Deadline for manuscript submissions

closed (30 November 2023)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/139241

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

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

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 (Ecology, Evolution, Behavior and Systematics)