Special Issue

Seed Dormancy in Crops

Message from the Guest Editors

Preharvest sprouting (PHS) occurs frequently in regions where the temperature and precipitation are high as the global warming, causing significant losses in rice yield and quality. Strong dormancy rice varieties can effectively prevent PHS, but it will cause difficulty in emergence in the field, which is not conducive to the promotion of direct seeding cultivation. Therefore, it is of great significance to clone the genes of rice seed dormancy, explore its physiology and biochemistry mechanism, and create appropriate dormancy rice varieties. This Special Issue welcomes all types of research articles that explore rice dormancy germplasm, cloning seed dormancy genes, explore seed dormancy physiology and biochemistry mechanism and breeding rice varieties with preharvest sprouting resistance.

Guest Editors

Prof. Dr. Zhonghua Sheng
China National Rice Research Institute, Hangzhou, China

Dr. Yu-Jun Zhu
China National Rice Research Institute, Hangzhou, China

Deadline for manuscript submissions

closed (31 July 2025)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/216491

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

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

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)