



plants



an Open Access Journal by MDPI

Regulation of Seed Germination and Dormancy

Guest Editors:

Dr. Sangun Park

Department of Crop Science,
Chungnam National University,
Daejeon 34134, Republic of Korea

Dr. Joonyup Kim

Department of Horticultural
Science, Chungnam National
University, Daejeon 34134,
Republic of Korea

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Seed germination is a trait fundamental to the lifecycle of a plant that is also tightly associated with the productivity of agricultural crops. It is controlled by interactions of diverse endogenous and exogenous factors. Levels of physical (e.g., coat) or intrinsic (e.g., embryo) dormancy embedded in the seed variably affect successful germination in many plant species. Although studies using a model plant such as *Arabidopsis* have begun to shed light on mechanistic insights, the regulation of germination and dormancy for agricultural crops still remains to be elucidated. As the availability of recent technologies to understand biological processes expands, this Special Issue will cover physiological, molecular, metabolomic, transcriptomic, proteomic, and functional studies that control seed germination and dormancy of agricultural crops.



mdpi.com/si/92867

Special Issue



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 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Plants Editorial Office
MDPI, Grosspeteranlage 5
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)