

Special Issue

Methods for Regulating the Seed Germination of Plants During the Germination Phase

Message from the Guest Editor

This Special Issue will be devoted to seed germination in soil conditions. Seed germination is one of the most important and complex processes affecting the passage of all successive stages of the organism's development during the growing season of plants. It is characterized by an intensive metabolism, and the stored nutrients undergo significant changes, turning into compounds vital for the body, which ensure the normal growth and development of the embryo. In the productivity of plants, an important role is played by the processes occurring at the beginning of development, which determine the preparation and transition to the generative period. For the correct calculation of the seeding rate, it is imperative to know the laboratory germination of seeds. Only from seed lots with high laboratory germination can we expect friendly shoots and the necessary plant density. A decrease in seed germination is possible in case of the incorrect selection of substances stimulating germination (micro and macroelements, substances to control pathogenic organisms). Each soil condition imposes its requirements for the best realization of seeds as field germination.

Guest Editor

Prof. Dr. Alexey P. Glinushkin
Russian Research Institute of Phytopathology, 5 Institute St., 143050
Big Vyazyomy, Russia

Deadline for manuscript submissions

closed (30 September 2022)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/99509

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, and 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)