

Special Issue

Genetic and Environmental Factors Affecting Seed Germination

Message from the Guest Editors

Plants have evolved various strategies to be successful in heterogeneous habitats, including the number and size of produced seeds, the mechanisms of their dispersal and dormancy, seed vitality and germination, etc. Seed germination is important for generative propagation, plant life cycle, and population growth. The study of influencing seed germination is one of the most useful applications in terms of morphology, physiology, molecular biology, genetics, and ecology. This Special Issue plans to give an overview of the most recent advances in the field of the stimulation of seed germination. It is aimed at providing selected contributions on advances in the seed germination of various plant taxon in relation to scientific theories, agriculture, forestry, and food science. Potential topics with relation to the stimulation of seed germination will include, above all:

- Seed quality
- Seed dimorphism and polymorphism
- Genetic factors and plant breeding
- Maternal effect
- Phytohormonal process, balance, and regulation
- Physical, chemical, and biological factors
- Perspectives in seed technology

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Deadline for manuscript submissions

closed (31 July 2023)



Plants

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Impact Factor 4.1
CiteScore 8.5
Indexed in PubMed



mdpi.com/si/109454

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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.

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