

Special Issue

Advances in Seed Physiology

Message from the Guest Editors

Seeds are the primary structure of dormancy and dispersal of plant species. During seed germination, molecular and biochemical regulation processes occur that determine progress in the stages of imbibition and anatomical development that leads to root protrusion and the beginning of the vegetative development of the seedling. Knowledge of the properties of dispersion and resistance of the seeds and the morphological, physiological, and molecular processes involved in the regulation of germination are essential requirements for the understanding of large-scale processes such as the distribution of species and the effect of climate change on seeds, or on a smaller scale, the understanding of the structural and physiological factors that regulate germination and the stressors that reduce the vigor and viability of seeds. The purpose of this Special Issue is to bring together the contributions of authors interested in the subject, to finetune the current state of the art in seed physiology and, to constitute a conceptual and methodological framework for the development of strategies for the propagation and conservation of germplasm in seed banks.

Guest Editors

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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.

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