

Special Issue

Seed Dormancy and Germination

Message from the Guest Editors

Many higher plant species from several climatic zones have evolved important adaptive traits to control the timing of seed germination. Specifically, seed dormancy represents a complex control system, genetically programmed and regulated by both endogenous and environmental factors, delaying seed germination until a permissive growth season occurs. Although germination studies at the species level are quite considerable, knowledge gaps on germination syndrome of many plant genera from several phylogeographic areas still exist. On the other hand, research at the plant community level appears to be even more limited, requiring the integration of influential seed regeneration traits into predictive community assembly models. It is therefore appropriate to extend research to a wider set of species, including rare and threatened ones, from different habitats with both unpredictable resources and thermal environment. This Special Issue aims to stimulate discussion on seed dormancy and germination response in terms of key traits of adaptation to environmental conditions. We welcome original research papers and reviews on biological, ecological, and conservation aspects of the main topic.

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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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