

## Special Issue

# Seed Dormancy and Germination for Plant Adaptation to Climate Change

### Message from the Guest Editors

By the end of the 21st century, it is projected that temperatures will increase by as much as 5°C and precipitation patterns will be changed, increasing the risk of flooding or drought. Temperature and soil moisture are critical drivers for seed dormancy break and germination, both of which will be impacted by these environmental changes. Seeds that require exposure to dry and/or wet conditions at high temperatures ( $\geq 15^{\circ}\text{C}$ ) for dormancy break may not be affected by climate change. However, seeds requiring moist cold conditions ( $\leq 10^{\circ}\text{C}$ ), warming might reduce the period when conditions are favourable for dormancy break. Additionally, if temperatures are favourable but the onset of the wet season is delayed, the timing of germination of nondormant seeds will be delayed. Thus, changes in soil moisture and temperature can shift the timing of germination and seedling establishment. This Special Issue aims to expand our understanding through experimental studies, modelling approaches, and reviews. We welcome manuscripts addressing a broad spectrum of topics related to seed dormancy and germination in the context of plant adaptation to climate change

### Guest Editors

Dr. Guadalupe Galindez

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### Deadline for manuscript submissions

31 December 2025



## Plants

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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, 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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### Editor-in-Chief

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