

Special Issue

Seed Physiology

Message from the Guest Editor

Plants start out their life as a seed. Seed formation, dispersal and germination enable successful plant reproduction. Seeds are evolutionarily important structures that colonize the terrestrial environment by developing important features, including desiccation tolerance and dormancy. Determination of seed nutritive value, chemical composition, the quality of seeds for both propagation and utilization, as well as the characteristics of seed viability and ageing during storage in gene banks, are all necessary to understand the ways in which seeds function—i.e., their physiology. Insights into the genetic, epigenetic, biochemical and morpho-mechanical control of the mechanisms that govern seed behavior contribute to the progress in basic seed science and have potential application in agriculture, forestry, and management of natural resources. Changes in the environmental conditions that alter seed features and seed responses under stress conditions are of special interest to researchers, the impact of global warming, in particular. This Special Issue of *Plants* will present the latest findings in the area of seed physiology.

Guest Editor

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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.

Editor-in-Chief

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