Special Issue

Mechanisms of Embryo and Endosperm Development in Plants

Message from the Guest Editor

The invention of a diploid embryo and a triploid endosperm in the seed, produced after double fertilization, allows angiosperm species to concur and to be dominant on earth. The division of the zygote, the establishment of the apical and basal polarity, the formation of organ pattern, the differentiation of various tissues in the embryo, and the maturation and establishment of dormancy are critical events occurred during embryo development. In parallel, the endosperm goes through a process of coenocytic nuclear division, the cellularization, and differentiation of different functional domains, the interaction between embryo and endosperm, and the accumulations of storage products and the programmed cell death in endosperm. Research and review articles intended to be published in this special issue are provide mechanistic understanding any of the topics list above, either for monocots or discots species, or both.

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.

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