



Fruit and Seed Development

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Message from the Guest Editors

Dear Colleagues,

After fertilization, the ovary of the flower usually develops into fruit. The fruit encloses the seeds containing developing embryos. Embryo and seed development is a pivotal process in the lifecycle of an angiosperm. It is initiated by the development of both gametophytes and their interactions, followed by the process of double fertilization when two pollen tube-released sperm cells fuse with female gametes. This leads to the development of the embryo and the endosperm. The endosperm exerts a profound influence on embryonic growth. Embryo and seed development is a complex process involving the coordinated growth of maternal and zygotic tissues regulated by the integrated action of transcriptional, epigenetic, hormonal, and metabolite signalling regulators.

This Special Issue aims to provide up-to-date information on various aspects of sexual reproduction, including ovule development, pollen tube attraction, double fertilization, embryo, and seed and fruit development, both from theoretical and practical perspectives as well as considering cellular to molecular biology and genetics to agronomical aspects. We welcome original research articles, reviews.





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Message from the Editor-in-Chief

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