



Plant Embryogenesis

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Message from the Guest Editors

Embryogenesis is a fundamental process in plant ontogeny. The fusion of a paternal sperm and a maternal egg generates a zygote and initiates the series of developmental events to set the basic body plan of the future plant. Therefore, the embryogenesis is a dynamic procedure, involving the shift from the haploid gametophytic to the diploid sporophytic generation, metabolic activation, pattern formation, and dormancy in seed maturation. Furthermore, successful embryogenesis is essential for plant fertility and reproductive fitness. Thus, embryonic regulations are important not only for our understanding of plant evolution and the diversity of survival strategies of various plant species but also for bioengineering to increase plant productivity in agriculture.

Despite intense investigation, there are still various open questions in this fascinating field. Authors are invited to submit papers focused on plant embryogenesis and its regulation, including through genes, proteins, metabolites, and nutrition to this special issue.





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Message from the Editor-in-Chief

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