



Advances in Plant Cell and Organism Development

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Message from the Collection Editors

After two successful editions (“**Plant Cell and Organism Development**” and “**Plant Cell and Organism Development 2.0**”) of our Special Issue, we decided to continue as a permanent Topic Collection.

Model organisms possess certain features that make them more amenable to scientific investigations than other, less tractable species. Today, many plant species are used as models in various studies, the most commonly used being *Arabidopsis thaliana* for dicots and rice and *Brachypodium distachyon* for monocots. They contribute significantly to our understanding of fundamental processes that govern various aspects of plant development in vivo and in vitro.

Thus, this Topic Collection addresses a wide range of topics linked with cell and plant development with a particular but not exclusive emphasis on the use of model plants. Recent research related, for example, to plant response to abiotic and biotic stresses; somatic embryogenesis; somaclonal variation; various cytological, cytogenetic, epigenetic, and genetic aspects of cell development; and other related topics are welcome.





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Message from the Editor-in-Chief

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