# **Topical Collection**

## Advances in Plant Cell and Organism Development

### 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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# International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

### Editor-in-Chief

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