

## 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.

### Collection Editors

Prof. Dr. Robert Hasterok

Plant Cytogenetics and Molecular Biology Group, Institute of Biology, Biotechnology and Environmental Protection, Faculty of Natural Sciences, University of Silesia in Katowice, 40-032 Katowice, Poland

Dr. Alexander Betekhtin

Plant Cytogenetics and Molecular Biology Group, Institute of Biology, Biotechnology and Environmental Protection, Faculty of Natural Sciences, University of Silesia in Katowice, 40-032 Katowice, Poland



## International Journal of Molecular Sciences

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CiteScore 9.0  
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*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

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### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

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### Editor-in-Chief

Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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