

Special Issue

Plant Cell and Organism Development

Message from the Guest Editors

Model organisms possess certain features which make them more amenable to scientific investigations compared to other, less tractable species. Today, there are many plant species applied as models in various studies, the most commonly used being *Arabidopsis thaliana* for dicots and rice and *Brachypodium distachyon* for monocots. The use of these and similar species contributes significantly to bettering our understanding of fundamental processes that govern various aspects of plant development in vivo and in vitro. This Special Issue addresses a wide range of topics linked with plant cell and organism development with a special (though not exclusive) emphasis on using model plants. Recent research on plant tissue culture, for example, linked with 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 is welcome.

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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.

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