



New Challenges for Understanding the Molecular Regulation of Plant Developmental Processes

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Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

Plant development is one of the most complex molecular processes in biology, involving the activation of different molecular pathways corresponding to specific developmental stages. Multidisciplinary approaches are required to understand how cellular processes are integrated in the growing tissues to provide insights into multiple and varied developmental processes.

This Special Issue aims to gain new insights into the basic molecular mechanisms regulating specific developmental processes in model and non-model species (root and shoot apical meristems growth, ovule and flower development, gametogenesis, stomata and leaf development, root development, seed germination, photomorphogenesis, etc.). We welcome suggestions that provide good coverage of significant developments in biotechnological tools covering future challenges in plant science like stress sensing under different types of environmental stress, from abiotic (drought, flooding, salinity, heavy metals) to biotic stress, the improvement of plant production, plant-microbe interactions or the use of plants for phytoremediation.





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Message from the Editor-in-Chief

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