



Advanced Omics Technologies and Regulatory Mechanisms of Ornamental Plants

Guest Editors:

Prof. Dr. Chao Ma

Dr. Daofeng Liu

Dr. Wen Chen

Dr. Lin Ouyang

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Message from the Guest Editors

With the advancements in omics sciences, such as genomics, transcriptomics, proteomics, metabolomics and phenomics, these modern technologies provide new methods for studying plant molecular mechanisms. For ornamental plants, the study usually focused on the regulatory mechanism analysis using omics technologies.

The scope of this Special Issue includes a series of contents, such as genomics, transcriptomics, proteomics, metabolomics and phenomics, single omics or multi omics analysis of ornamental plants, as well as epigenomics (epigenomics, epitranscriptomics and epiproteomics) and interactomics (e.g., DNA–RNA interactomics, RNA–RNA interactomics, DNA–protein interactomics, RNA–protein interactomics, protein–protein interactomics and protein–metabolite interactomics), immunomics and microbiomics related to the regulatory mechanisms of ornamental plants. This Special Issue focuses on genetic traits related to flower color, floral fragrance, abiotic and biotic stress, and other characteristics of ornamental plants. This Special Issue also encourages experimental verification of ornamental plants' physiological and molecular regulatory mechanisms.





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Editor-in-Chief

Prof. Dr. Luigi De Bellis

Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, via Provinciale Lecce Monteroni, 73100 Lecce, Italy

Message from the Editor-in-Chief

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Contact Us

Horticulturae Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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horticulturae@mdpi.com
X@Horticul_MDPI