Special Issue

Advanced Omics Technologies and Regulatory Mechanisms of Ornamental Plants

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 epiomics (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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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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