Special Issue

Regulation and Biosynthesis of Secondary Metabolites in Ornamental Plants

Message from the Guest Editors

The secondary metabolites produced by ornamental plants not only impact their quality, but also determine their reproductive and survival strategies. Flower pigment and scent play critical roles as visual and olfactory cues that attract pollinators. An array of these compounds serves as “chemical defenses” against pathogenic fungi and bacteria and herbivorous insects. The chemical diversity of secondary metabolites is due to the diversified functions of biosynthetic enzymes. The elucidation of their biosynthetic pathways and regulation network is a central subject in studies on secondary metabolism. For this Special Issue, we are seeking both original research articles and reviews on the secondary metabolites of ornamental plants in terms of multi-omics. A wide range of topics, including the composition, regulation, biosynthesis and ecological function of flavonoid, anthocyanin, carotenoid, volatile organic compounds, and other biologically/pharmacologically active compounds are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)

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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

Prof. Dr. Luigi De Bellis
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