

Special Issue

Plant Secondary Metabolism and Its Applications in Horticulture

Message from the Guest Editors

This Special Issue, entitled "Plant Secondary Metabolism and Its Applications in Horticulture", aims to explore the significant role and potential applications of plant secondary metabolism in horticultural science.

Plant secondary metabolites, such as alkaloids, phenolics, and terpenoids, are not only crucial for plant adaptation and stress resistance but also hold immense value in enhancing the quality of horticultural crops, improving pest and disease resistance, post-harvest preservation, and the development of functional compounds. This Special Issue will compile research on the biosynthesis, regulatory mechanisms, and practical applications of plant secondary metabolites in horticulture, covering cutting-edge topics such as metabolic engineering, plant–environment interactions, and sustainable horticultural technologies. We warmly invite researchers in related fields to submit original research articles, reviews, and perspectives to collectively advance the innovation and application of plant secondary metabolism in horticulture.

Guest Editors

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About the Journal

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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