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Recent Advances in the Production of Plant Bioactive Compounds by Horticultural Crops through Agronomical and Biotechnological Approaches

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Deadline for manuscript submissions:
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Message from the Guest Editors

Plants crops face a wide range of environmental conditions and biotic threats that eventually induce of plant stress. Specialized metabolites are widely known to be responsible for the adaptive and defensive responses of plant organisms under stress. Consequently, the controlled induction of plant stress is regarded as an effective strategy to produce phytochemicals with high value for economically important sectors, such as the horticultural and agricultural industries.

In this Special Issue, authors are invited to contribute research articles or reviews focused on novel approaches to the production of plant bioactive compounds from horticultural crops, including: phytochemical research, combining analytical and functional studies; the performance of new agronomical techniques, such as the application of biostimulants to induce significant defensive responses to mitigate plant stress; and the establishment of biotechnological systems, which involve the design of controlled biological platforms under elicitation that may act as biofactories of natural bioactive compounds.

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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.

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