



Advances in Berry Crop Flavoromics, Secondary Metabolism and Regulation

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Message from the Guest Editors

Berries are rich in sugars, amino acids, organic acids, phenolic compounds such as phenolic acids, flavonols, and anthocyanins, and aroma compounds. These primary and secondary metabolites are greatly affected by both abiotic and biotic factors. Our understanding of how internal or external factors modulate the secondary metabolism and thus berry quality is of crucial importance for breeders and growers to develop plant material and viticultural practices to maintain high-quality berry and wine production. Particularly in the context of global warming, berry crop growth, maturation and flavor quality all have been affected significantly. The application of multi-omics integration approaches has promoted the rapid development of plant stress physiology, and provided opportunities to elucidate the mechanism underlying the formation and regulation of quality traits in berry crops. For this Special Issue, we welcome any original research or review articles that highlight recent advances in different disciplines related to berry crop flavoromics, secondary metabolism and regulation.





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Message from the Editor-in-Chief

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