

Topical Collection

Advances in Fruit Quality Formation and Regulation

Message from the Collection Editors

In the past decade, mechanisms of fruit quality formation and regulation have gained rapid advances, from physiology to molecular aspects. However, there are still many basic theoretical problems that need to be solved urgently—the post-harvest fruit quality maintenance mechanism and the mature and senescence regulation network are still incomplete, the interaction mechanism between environmental conditions and endogenous factors is not clear, and the similarities, differences, and laws of different types of fruit quality maintenance regulation methods are still unclear. In addition, it is notable that the unbalances among the various quality traits (i.e., anthocyanin metabolism) and fruit species, and, apart from transcriptional regulatory, other mechanisms such as translation regulation, translation modification and microRNA, should receive more attention. The purpose of this Special Issue is to present the recent advances in fruit quality formation and regulation. This Special Issue will mainly focus on pre-/post-harvest regulations on fruit quality and aims to cover various quality traits, including (but not limited to) flavor, aroma, texture and color.

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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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