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Advances in Postharvest Fresh-Keeping Technology and Metabolomics of Horticultural Plants

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Deadline for manuscript submissions:
closed (20 August 2025)

Message from the Guest Editors

Horticultural plants are still alive when during and after harvesting and programmed and complex metabolic processes take place postharvest. The metabolic processes in horticultural crops are spatio-temporally specific, resulting in the formation or even deterioration of quality during postharvest ripening or senescence. Advanced preservation technologies have been widely explored and used to keep horticultural products fresh. However, systematic investigations into their effect on the metabolism of horticultural crops are still limited. The development and wide application of metabolomics technology has provided a powerful means for the study of the postharvest metabolism and regulation of horticultural crops. For this Special Issue, we welcome the submission of research on innovative post-harvest fresh-keeping technology, as well as metabolic analysis of fruits, vegetables, medicinal, aromatic and ornamental plants during postharvest handling, storage and logistics; this is not limited to physiological, biochemical and molecular regulation (at the transcription, post-transcription, translation or post-translation level) analysis.

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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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