

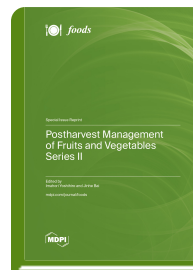
*Special Issue Reprint*

## **Postharvest Management of Fruits and Vegetables Series II**

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The following research articles provides insights into advanced fruit preservation and quality enhancement techniques. Mango Quality Enhancement: Studies show that treatments incorporating 1-methylcyclopropene (1-MCP) and melatonin significantly improve mango appearance, sugar content, and antioxidant activities, highlighting their potential to extend shelf life. Modified Atmosphere Packaging for Fresh-Cut Melons: Research demonstrates the effectiveness of passive modified atmospheres in extending the freshness of fresh-cut melons, especially non-climacteric types, by adjusting packaging perforation levels. Natural Coatings on Blueberries and Grapefruit: Investigations into various coatings reveal inconsistent effects on weight loss in blueberries. Additionally, studies on thymol vapors indicate a natural method for controlling post-harvest diseases in grapefruit, enhancing fruit longevity. Optimal Storage Conditions and Fungal Infection Management: Comprehensive reviews suggest optimal storage temperatures for different apple and pear cultivars and detail how *Penicillium expansum* affects apple quality, offering strategies for decay management. Quality Testing and Soil Treatments: Advances in hyperspectral imaging for non-destructive quality testing in citrus and the impact of anaerobic soil disinfestation on winter melon juice quality are explored, showing how agricultural practices influence fruit characteristics. Loquat Fruit Post-Harvest Handling: A review of loquat fruit post-harvest technology discusses storage methods to mitigate deterioration and preserve quality.

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