



foods

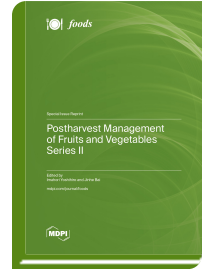


Special Issue Reprint

Postharvest Management of Fruits and Vegetables Series II

www.mdpi.com/books/reprint/9390

Edited by
Imahori Yoshihiro
Jinhe Bai



ISBN 978-3-7258-1363-6 (Hardback)
ISBN 978-3-7258-1364-3 (PDF)

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.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/9390

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.