

Special Issue

Preharvest/Postharvest Factors and Storage Techniques for Improving Horticultural Crop Quality and Shelf Life

Message from the Guest Editor

The growth rate of horticultural products has increased considerably in recent years. However, their quality is easily affected by various preharvest and postharvest environmental stresses. Preharvest factors such as cultivation practices, nutrient management, irrigation, light conditions, and biotic or abiotic stresses play crucial roles in determining the physiological status and ultimate quality of horticultural products. After harvest, these products remain highly susceptible to stress conditions during handling and storage, often leading to quality deterioration and decay, resulting in substantial global losses. Therefore, postharvest environmental conditions such as temperature, humidity, and gas composition, as well as various treatments such as packaging and fresh-cut processing, can significantly influence the ripening, senescence, postharvest quality, disease incidence, and shelf life of horticultural crops. This Special Issue aims to highlight recent advances in preharvest and postharvest factors, physiological regulation, quality formation, stress responses, and storage technologies in horticultural crops.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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