Special Issue

Application of Computer Vision Technology in Postharvest Processing of Fruits and Vegetables

Message from the Guest Editors

In recent years, computer vision technology has revolutionized the postharvest processing of horticultural crops, including fruits and vegetables; thus, challenges related to intelligent quality evaluation, dynamic monitoring, and high-throughput grading and packaging systems have been addressed. Due to the development of diverse imaging systems, such thermal infrared imaging, visible light machine vision, near-infrared spectral imaging, nuclear magnetic resonance imaging, X-ray imaging, and computed tomography imaging, the combination of computer vision with deep learning algorithms now offers precise, automated, and nondestructive solutions that enhance efficiency and reduce labor dependency. Furthermore, the ability of computer vision technology to analyze the shape, size, color, texture, and internal attributes of produce has ensured consistent quality standards and the minimization of postharvest losses. There is no doubt that the application of computer vision technology will greatly promote the control of quality during the postharvest processing of fruits and vegetables in order to support the sustainable and high-quality development of human life and health.

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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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