



Application of Non-destructive Detection Techniques in Horticultural Plants

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Message from the Guest Editors

Non-destructive detection techniques have recently emerged as a powerful analytical technique with the advantages of fast speed, convenient operation, and easy online inspection of various horticultural products. In recent years, non-destructive detection techniques (such as visible, near- and mid-infrared spectroscopy (VIS-NIRS), fluorescence spectroscopy, hyperspectral imaging (HSI), X-ray imaging, CT scan imaging, electronic nose, machine vision, and thermal imaging) have found numerous successful applications in horticultural product quality detection. These techniques are used to determine quality features and analyze horticultural products in a non-destructive way with minimal sample preparation. The resulting datasets are usually high dimensional and complex, requiring methods of pattern recognition or predictive analysis to extract quality information. This Special Issue aims to focus on the latest research progress of the application and jointly discuss the focus of non-destructive detection techniques in horticultural products.





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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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