

Special Issue

Application of Multi- and Hyperspectral Imaging Technologies in Horticultural Production

Message from the Guest Editors

Technological advances in multi- and hyperspectral imaging technologies are transforming horticultural production by enabling detailed and non-invasive monitoring of crop status. These approaches enable the accurate assessment of plant health, optimize resource use, reduce chemical inputs, and minimize environmental impact. This Special Issue aims to provide a platform for the latest research and reviews on the application of multi- and hyperspectral imaging in horticulture. We welcome contributions that cover the following topics: - Employ remote and proximal sensing for crop monitoring, management, and modeling; - Advances in image acquisition, analysis, and data interpretation specific to multi- and hyperspectral data for horticulture; - Integration of imaging technologies with Artificial Intelligence (AI), Internet of Things (IoT), and precision agriculture tools; - Comparative assessments of multispectral versus hyperspectral approaches for horticultural monitoring; We invite researchers to submit original articles and comprehensive reviews exploring how these cutting-edge technologies are transforming horticultural production.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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