

# Special Issue

## Crop Authenticity in Organic Horticultural Production: Recent Studies and Applications

### Message from the Guest Editors

In recent years, demand for organic products has grown as consumers consider them to be safer and healthier than conventional ones. Research has been conducted over the years to investigate old and new reliable systems for testing the authenticity of products obtained using organic cultivation methods. We welcome research that focuses on the application of approaches to tracking chemical components and/or gene transcript levels derived from the primary and/or secondary metabolism of organic and conventional products. We also accept papers that discuss the isotopic distribution of elements and that highlight the diversity induced by conventional and organic production techniques with the final aim of establishing new tools for organic horticultural crop characterisation and authenticity. The use of spectroscopic techniques and metabolomics is of interest in this Special Issue, as is the application of agronomic practices in organic cropping systems. Finally, we welcome data analysis through chemometrics tools that enable the validation of multivariate implemented approaches.

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### Guest Editors

Dr. Simona Fabroni

Dr. Francesco Montemurro

Dr. Luana Bontempo

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### Deadline for manuscript submissions

closed (31 January 2025)



# Horticulturae

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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.

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### Editor-in-Chief

Prof. Dr. Luigi De Bellis  
Department of Biological and Environmental Sciences and  
Technologies (DiSTeBA), Salento University, Lecce, Italy

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