



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

Guest Editors:

**Dr. Simona Fabroni**

Council for Agricultural Research and Economics (CREA)—  
Research Center for Olive, Fruit and Citrus Crops, Corso Savoia 190, 95024 Acireale, Italy

**Dr. Francesco Montemurro**

Council for Agricultural Research and Economics - Research Centre for Agriculture and Environment (CREA-AA), Via Celso Ulpiani 5, 70125 Bari, Italy

**Dr. Luana Bontempo**

Traceability Unit, Research and Innovation Center, Edmund Mach Foundation (FEM), Via E. Mach, 1, 38098 San Michele all'Adige, Italy

Deadline for manuscript submissions:

**31 July 2024**

### 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.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Luigi De Bellis

Department of Biological and  
Environmental Sciences and  
Technologies, Università del  
Salento, Centro Ecotekne, Via  
Provinciale Lecce Monteroni,  
73100 Lecce, Italy

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, FSTA, and other databases.

**Journal Rank:** JCR - Q1 (*Horticulture*) / CiteScore - Q2 (*Horticulture*)

## Contact Us

*Horticulturae* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/horticulturae](http://mdpi.com/journal/horticulturae)  
[horticulturae@mdpi.com](mailto:horticulturae@mdpi.com)  
[X@Horticult\\_MDPi](https://twitter.com/Horticult_MDPi)