



Sustainable and Organic Farming of Vegetable Crops in Greenhouse and Open Field Systems

Guest Editor:

Dr. Kalliopi Kadoglidou

Institute of Plant Breeding and
Genetic Resources, Hellenic
Agricultural Organization—
DEMETER, Themi, GR-57001
Thessaloniki, Greece

Deadline for manuscript
submissions:

closed (1 March 2025)

Message from the Guest Editor

Agroecological approaches in sustainable and organic vegetable production are spread worldwide and contribute to find solutions on the global challenges of agri-food sector. This shift in vegetables cultivation becomes more important from the consumer awareness on food quality and on environmentally friendly production. Consequently, innovative systems in greenhouse and in open field under sustainable and organic farming framework have attracted increasing attention in both research and consumer community in recent years. Towards this direction, the environmental friendly cultivation methods, the use of innovative fertilizers, the water and the energy management, the new approaches for integrated pest management (e.g., against fungi, bacteria, insects, and weeds), the exploitation of allelopathy of plants, the renewable resources (such as the reuse of crop residues or by-products) valorization in the frame of circular economy, the development and application of soil amendments, biofertilizers or biostimulants, as well as issues related to the carbon or environmental footprint of vegetables cultivation are more imperative now than ever.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Luigi De Bellis

Department of Biological and
Environmental Sciences and
Technologies (DiSTeBA), Salento
University, 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 - Q1 (Horticulture)

Contact Us

Horticulturae Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/horticulturae
horticulturae@mdpi.com
X@Horticul_MDPI