



New Methods and Tools for Resilient, Efficient and Sustainable Organic Vegetable Production

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Message from the Guest Editors

Currently, many consumers are health conscious and aware of food quality, food safety, and environmental protection, leading to increasing demand for organic fresh products. Numerous studies on organic versus conventional crops have shown that organic fresh produce has significantly less chemical residue, are richer in antioxidant compounds. Organic agriculture is more sustainable for the environment, favoring biodiversity and reducing soil erosion and water pollution. Moreover, organic agriculture is an eco-friendly system, able to fix CO₂ into soils, decreasing the greenhouses gases emissions.

The new challenge is to develop new tools and methods for resilient, efficient, and sustainable organic vegetable production, providing climate-resilient cultivars addressed to organic vegetable production systems to be used for organic growers, and the organic seed industry, providing much needed security both under current and future scenarios of climate change. Moreover, the research attention should be addressed also to the analyses of the effects of the organic methods on vegetables production and their quality from farm to fork, to meet the habits of consumers.





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Message from the Editor-in-Chief

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