Special Issue

Hydroponics in Vegetable Production

Message from the Guest Editors

For optimal plant growth, the root system requires an environment where the necessary nutrients, water, oxygen, appropriate temperature, and protection from pathogenic microorganisms are provided. Hydroponics was developed as a growing system that provides a better environment for the development of plant roots than in soil. In addition, it permits the production of vegetables in areas with soils that are entirely unsuitable for cultivation (deserts, coastal areas, rocky areas, etc.), ensuring faster growth and shorter harvest time, higher production per unit area, and optimal product quality, combined with efficient use of the water and nutrients. Finally, the reduced environmental impact during this production process is also noteworthy. It is estimated that it will hold a dominant position in coping with the recent environmental issues, and is expected to be embedded in the design of urban areas in the future, offering the opportunity for indoor vegetable production, taking advantage of modern high-technology accomplishments.

Guest Editors

Prof. Dr. Anastasios Siomos

Department of Horticulture, Aristotle University, 54124 Thessaloniki, Greece

Prof. Dr. Pavlos Tsouvaltzis

Horticultural Sciences Department, Southwest Florida Research and Education Center, University of Florida, Immokalee, FL 34142, USA

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Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

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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

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

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