Special Issue

Water, Fertilizer and Soil Management in Fruit and Vegetable Production

Message from the Guest Editors

Vegetable production requires water, as well as the use of fertilizers and products, to control insects and diseases. To maintain soil productivity, sustainable soil, water, and fertilizer management are essential.

In order to increase the efficiency of water use, we must couple water demand or transpiration with irrigation and do the same with fertilizer. The incorporation of protective structures such as greenhouses protects crops against insects and decreases transpiration. However, they can activate fungal diseases if weather conditions, such as relative humidity, are high. Additionally, even these conditions may stress the plant if temperature and relative humidity increase the vapor pressure deficit. In the field, it is possible to control water and fertilizer supply if high-frequency drip irrigation control is available. However, the control of light, temperature, relative humidity, and vapor pressure deficit is almost impossible. Thus, it is important to expose plants to environmental stress and train them by using soil amendments, plant relief stress as biostimulants, and other mineral or organic compounds, as well as by employing advanced agricultural practices.

Guest Editors

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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

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