

Special Issue

Fertilization Management of Horticultural Crops

Message from the Guest Editor

Horticultural fertilization is moving toward a digitized, precision management through wireless remote-control solutions. To be sustainable, this approach requires fertility indexes that can provide information about the soil nutrient availability and tree nutritional status. The indexes should be easily measurable, economically affordable, and reliable to allow a precise fertilizer application rate for each crop in each environment. A number of methods can be employed to achieve this goal, for example, (1) probes to measure nutrients in soil solution, (2) sensors for xylem sap electric conductivity, (3) systems that can estimate nutrient concentration in xylem sap, leaf or fruits, etc. Research should provide information about the availability, precision, and possible application of these tools. **Keywords:**

- soil solution
- nutrient availability
- fertility probes
- xylem sap
- electromagnetic wave
- leaf nutrient

Guest Editor

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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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