

# Special Issue

## Water Saving and Soil Amendments: Advances in Research, Use and Optimization and Testing of Innovative Materials

### Message from the Guest Editor

This Special Issue focuses on the critical role of organic soil amendments in improving soil water availability, health, and crop yield. Amendments like compost, biochar, manure, and coconut fiber are proven to enhance the physico-chemical properties of soils, increasing their water-holding capacity and plant drought resilience. While beneficial across sectors—from conventional open-field and greenhouse agriculture to food crops and ornamental plants—key knowledge gaps remain. We lack thorough evaluations of how amendment type and application rate specifically impact hydraulic and water retention properties across contrasting soil textures. This Special Issue seeks to address these gaps. We invite research on standard and innovative organic materials (including agricultural/industrial by-products) that advance strategies for optimizing water use efficiency, reducing evaporation, and building climate-resilient farming systems in the face of water scarcity.

### Guest Editor

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### Deadline for manuscript submissions

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# Horticulturae

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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.

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### Editor-in-Chief

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