Special Issue

Precision Management Methods for High Yield and Quality in Horticultural Crops

Message from the Guest Editor

Horticultural crops and their secondary metabolites are important components of a healthy diet. While high yields are necessary to meet public demand, product quality is crucial for taste, nutrients, and shelf life. This Special Issue aims to demonstrate precise management methods that maximize the yields and quality of horticultural crops. Using modern technologies such as sensors, data analytics, and automated control systems to tailor their irrigation, fertilization, and crop protection measures precisely to the needs of their plants. This Special Issue encourages the submission of studies and review articles. Topics include but are not limited to: - Monitoring horticultural vegetation using unmanned aerial vehicles (UAVs), aerial data, and satellite data; - Vitality mapping and site-specific applications; - Time-series and multi-temporal field horticulture analysis; - Digital image processing; - Computer vision; - Machine learning methods; - Precision horticulture methods; - Advances in near-field sensing, including the use of image sensors; - Estimation and mapping of water status, irrigation needs, and phytosanitary problems.

Guest Editor

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