

Special Issue

Benefits of Fertigation for Crop Yield and Quality

Message from the Guest Editor

This Special Issue aims to explore the agronomic, physiological, environmental, and economic benefits of fertigation across diverse cropping systems. We seek to highlight advancements in fertigation technologies, crop-specific strategies, and their impact on soil health, water use efficiency, nutrient uptake, and final product quality. This Special Issue will cover topics such as nutrient–water synchronization, smart fertigation systems using IoT and sensors, crop modeling under fertigation regimes, and fertigation's role in climate-resilient agriculture. Comparative studies between conventional fertilization and fertigation, and studies on their long-term implications on yield stability and soil fertility, are also encouraged. We invite original research articles, reviews, and case studies addressing innovative fertigation practices, nutrient dynamics, precision application techniques, and sustainability assessments. Contributions from diverse climatic zones and cropping systems are welcome. Manuscripts should provide novel insights that can inform best practices and policy development in sustainable crop management.

Guest Editor

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Message from the Editor-in-Chief

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