

Special Issue

Growth and Nutrient Management of Vegetables

Message from the Guest Editors

Increasing crop yield while simultaneously reducing agriculture's environmental burdens is currently one of the main concerns of the scientific and public communities. However, intensive vegetable production is generally considered as a high-nutrient-input and high-environmental-risk system, which is mainly due to the low nutrient and water uptake efficiency associated with the shallow root systems of most vegetable species. Optimizing nutrient management practices for vegetable production is urgently needed to resolve the conflict between high yields and environmental risk.

The scope of this Special Issue includes, but is not limited to, the following topics: 1) nutrient demand characteristics of vegetables; 2) soil fertility and regulation strategies for vegetable fields; 3) optimal nutrient management practices to increase vegetable yield or quality; 4) optimal strategies to reduce the reactive N loss and environmental risk; and 5) vegetable growth models

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