

Special Issue

Practice of Hydroponics in Vegetable Production

Message from the Guest Editor

Hydroponics is a system growing plants in a nutrient solution typically for food production. With hydroponics, nutrients are delivered directly to the plants through an irrigation system eliminating the need for soil.

Hydroponics is the primary nutrient management system for controlled environment agriculture (CEA), which takes place in greenhouses and indoor vertical farms. Hydroponic production in CEA of vegetable crops uses less arable land and conserves water. Local production in hydroponic CEA provides consumers with fresher vegetables, reducing long-range shipping. Research and improvement of hydroponic systems, CEA, and crop productivity will have an immediate and substantive impact on improved crop productivity, reduced energy consumption, reduced environmental impact, and improved food quality and food safety.

Guest Editor

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