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Protected Cultivation of Horticultural Crops: Advances and Sustainability

Guest Editors:

Prof. Dr. Weijie Jiang

Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences (CAAS), Zhongguancun South Street 12, Haidian District, Beijing 100086, China

Dr. Wenna Zhang

College of Horticulture, China Agriculture University, Qinghuadonglu 17, Haidian District, Beijing 100083, China

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Message from the Guest Editors

Protected cultivation. also known controlled as environment agriculture or greenhouse cultivation, is a modern agricultural practice used to grow horticultural crops under controlled environmental conditions. This method provides several advantages, including protection from adverse weather, pests, and diseases, as well as the ability to optimize growing conditions for maximum crop yield and quality. It typically utilizes greenhouse structures that allow growers to control various environmental factors such as temperature, humidity, light intensity, and CO2 levels, maintaining ideal conditions for plant growth. This cultivation method is suitable for various horticultural crops, including vegetables, fruits, flowers, and ornamental plants, enabling year-round production, disease and pest management, extended growing seasons, improved crop quality, and prolonged post-harvest freshness.

At present, protected cultivation of horticultural crops has evolved significantly with a strong emphasis on sustainability. This Special Issue will welcome all research related to protective cultivation.



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Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2, Canada

Message from the Editor-in-Chief

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