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Special Issue Reprint

Advances in Sustainable Cultivation of Horticultural Crops

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This Reprint brings together a collection of scientific articles that address the principal contemporary topics that have significantly contributed to the sustainable development of horticulture in a comprehensive and in-depth manner. These topics include remote sensing, which enables precise monitoring of large-scale crops; hydroponic systems, as an efficient alternative to soil use and water resources; environmental stresses, the understanding of which is essential for mitigating the effects of climate change on plants; seed physiology, which investigates germination mechanisms and vigor; plant physiology, focused on metabolic and developmental processes of vegetable crops; irrigation systems, fundamental to the rational use of water; nanofertilizers, which offer greater efficiency in nutrient release; organic fertilizers, as an indispensable practice for maintaining soil health and biodiversity; and finally, the interaction between one or more of these themes, whose integrated study has proven increasingly relevant for innovation and sustainability in the horticultural sector.

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