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Morphological, Physiological, Metabolic, and Genetic Aspects of Eustress in Horticultural Crops

Guest Editor:

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Deadline for manuscript submissions: closed (29 February 2024)



Message from the Guest Editor

All plant species are subjected to abiotic stresses whose intensity has increased, due to climate change. Plants stress with various morphological, respond to physiological, metabolic, and genetic changes. Leafy vegetables are particularly susceptible to abiotic stresses. Many studies have highlighted the influence of the stress level on the productive and qualitative performance of plants. For each plant species, tolerant or sensitive one, there is a stress level for which the plant is at its utmost defense, and synthesizes and accumulates high levels of secondary metabolites and molecules with antioxidant properties, without a drastic reduction in growth. This response is called positive stress or eustress. This Special Issue aims to obtain a multidisciplinary view of eustress, improve knowledge of the adaptation of different horticultural crops to stress, and enhance sustainable agronomic choices that preserve the quality and productivity of crops. Potential topics include, but are not limited to:

metabolomics analyses genetic analyses morphologic analyses productivity of leafy vegetables quality of leafy vegetables osmolytes defense mechanisms

Specialsue





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Message from the Editor-in-Chief

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