Special Issue

Application of Melatonin to Abiotic Stress in Horticultural Crops

Message from the Guest Editors

In recent years, melatonin has been identified as a powerful antioxidant molecule. Melatonin has been an alternative eco-friendly approach for increasing abiotic stress tolerance in horticultural crops. Melatonin is a chemical regulator that is released in very small amounts and regulates plant growth, development, and response to the environment in various ways. Melatonin plays an important role during abiotic stress responses in horticultural plants, coordinating differential signal transduction pathways. They are involved in regulating many internal and external stimuli that bring major changes in plant development.

This Special Issue aims to shed light on the morphological, physiological, and biochemical processes triggered by the application of melatonin, which ultimately leads to an increase in abiotic stress tolerance in horticultural crops. In this Special Issue, original research articles and reviews are welcome.

Guest Editors

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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