Special Issue

Physiological Principle Application to Improve Resilience of Tree Crops

Message from the Guest Editor

Tree crop management is based on the integration of the botanical and physiological characteristics of each species with the technical and socio-economical features of each cultivation area. Climate mutations are significantly changing many aspects of tree crop management and the suitability of species/genotypes for a specific environment. Understanding the physiological mechanisms underlying the response of the plant to the climate mutation is one of the most promising strategies to drive the development of new tools that can contribute to improving crop management and help to shorten the selection period of new genotypes more resilient to the changing environment. This Special Issue in *Plants* will cover: Genotypic variability in the regulation of gas exchange and plant–water relations in response to climatic variables; Determination of the physiological implication of horticultural practices aimed at mitigating the impact of climate change on tree crops; Development of physiological markers for the exploitation of tree crop biodiversity and the selection of resilient cultivars.

Guest Editor

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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.

Editor-in-Chief

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