Special Issue

Horticultural Crops under Stresses

Message from the Guest Editors

Climate change and its consequences in agriculture raise new technologies for tolerance induction and modeling for the phenotyping and diagnosis of abiotic stresses. Horticultural crops need more attention in cultivation due to their organoleptic and nutritional properties. Abiotic stresses can strongly impair the growth and productivity of horticultural crops. Therefore, research on mitigation through tolerance induction, screening, phenotyping, as well as diagnosis of water and nutritional status of plants under stress conditions can foster agrotechnologies for sustainable agricultural management. However, many knowledge gaps in situations of horticultural cultivation systems, especially in arid and semi-arid regions, still need to be addressed. In addition to defining and evaluating the most appropriate mitigation strategies, this Topic is open to studies that investigate the problem of mitigation and adaptation in plant systems cultivated under conditions of abiotic stress in the face of climate change, aiming at technical solutions and strategies to improve the agricultural sector.

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Deadline for manuscript submissions

closed (31 March 2023)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/126649

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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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