Special Issue

Grape Viticulture and Its Responses to Stresses

Message from the Guest Editors

Grapevine (*Vitis vinifera* L.) is one of the most economically important fruit crops worldwide. Climate change is increasingly impacting wine-growing regions by increasing temperatures, reducing water availability, and intensifying soil salinization, among the most critical abiotic stress factors. In addition, the incidence of pests and diseases has also been exacerbated, with a notable increase in emerging pests and diseases, putting at risk the sustainability of viticultural systems. Advances in understanding grapevine responses to both biotic and abiotic stressors, as well as the development of mitigation tools and practices, have become essential for vineyards facing climate change. This Special Issue will highlight recent progress in the study of grapevine responses to stress, from molecular mechanisms to field-scale practices. Original research, reviews, and applied studies are welcome that enhance our understanding of how grapevines adapt to environmental and biological pressures. The goal is to promote integrative approaches that support innovation in grape production, quality preservation, and long-term adaptation to climate change.

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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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