



The Effect of Abiotic Stress on Grapevine: A Physiological, Transcriptional and Metabolic Perspective

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Message from the Guest Editors

Dear Colleagues,

climate extremes during the past few decades with droughts, floods, and heat waves occurring in all parts of the world. Under this changing climate, as quality and yield of grapevine are directly linked with local climate variables through the terroir expression, wine-growing regions now perfectly suited to a given cultivar may become less so. Understanding physiological and metabolic response of plants to challenging environments is essential for preventing and mitigating possible negative effects on yield and grape quality.

This Special Issue of *Plants* will highlight the mechanisms of regulation of grapevine physiology, organ metabolism, source-sink signaling, hormone crosstalk, whole plant ecophysiological responses to abiotic stresses expected by current and future climate change scenarios.





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Message from the Editor-in-Chief

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