

Special Issue

Ecophysiology and Management of Grapevines Under Changing Climatic Conditions

Message from the Guest Editor

Climate change poses ongoing challenges to vineyard sustainability and is drastically altering the global viticultural landscape vis-à-vis site suitability, selection of grapevine cultivars and rootstocks, and management practices. While viticulturists have a range of tools in their toolkit to adapt to and manage vineyards under changing environmental conditions, we have little understanding of the inherent ability of grapevines to respond and adapt to these changing conditions, particularly over long (i.e., decadal) timescales. This lack of understanding underestimates the potential plasticity that grapevines may possess to adapt to and even thrive under changing environments.

Due to the broad nature of this topic, papers will range from fundamental anatomical and biophysical changes to biochemical and physiological modifications relating to grapevine plasticity. Through this Special Issue, we hope to increase our nascent understanding of the phenotypic plasticity of specific traits that grapevines possess to increase resilience to a changing climate.

Guest Editor

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