



Progress in Viticulture

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Message from the Guest Editors

Grapevine is one of the most economically important fruit crops in Mediterranean climates. Climate change is increasingly imposing challenges to viticulture due to the interactive effect of limited available water, high temperatures, and elevated [CO₂] on grapevine physiology, productivity, and berry quality. Novel management techniques and breeding efforts are therefore needed to mitigate the above negative effects in the short to long term.

The proposed Special Issue on “Progress in Viticulture” aims to present advanced studies, methods, tools, and cutting-edge innovations applied in the field of grapevine production and management under climate change scenarios. Potential topics include, but are not limited to, novel management strategies for specific quality traits; methods for the early estimation of yield and stress; stress management and the reduction of water consumption; the integrated and organic management of pests, diseases, and weeds; breeding innovations; pre-breeding efforts; IoT and DSS systems; precision viticulture for sustainable vineyard management; and automation and autonomous driving in viticulture mechanization.





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Message from the Editor-in-Chief

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