Special Issue

How to Deal with the Grapevine Multiple Summer Stress through a Physiological, Biochemical, and Molecular Approach

Message from the Guest Editors

In the areas suitable for grapevine cultivation, we are progressively witnessing an anomalous distribution of the rains, a thermal increase, and extreme levels of incident solar radiation. The synergistic action of these stress factors might cause both a photosynthetic depression and an interruption of ripening. Although several agronomic techniques have been implemented to cope with the heat waves affecting berry ripening, there is still scant information on the effect of these practices in a multiple and severe summer stress scenario. In this Special Issue, research papers, communications, and review articles focusing on the investigation of the effects of multiple stresses throughout grapevine berry ripening are all welcome. In particular, we encourage contributions in which multidisciplinary approaches are applied in order to investigate the effects of multiple stresses on the physiological, biochemical. and molecular aspect of the vine serving as an asset to develop successful mitigation strategies.

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