Special Issue

Sustainable Viticulture for Climate Change Adaptation

Message from the Guest Editors

Climate change exerts significant pressure on viticulture regions around the world, exacerbating existing challenges to sustainable production methods. Natural elements like radiation, temperature, precipitation, and humidity, as well as human-induced factors, contribute to alterations in plant growth, yield, and fruit quality. These abiotic stressors disrupt the phenology timing and duration of vineyards and hinder plant physiological functions, ultimately jeopardizing yield and fruit quality due to imbalanced sugar accumulation, the altered production of secondary metabolites, and compromised quality traits.

This compilation aims to gather a collection of cutting-edge research articles showcasing significant advancements in viticulture management practices and resilience under abiotic stress conditions. The primary focus is on fostering sustainability and resilience to adverse environmental conditions and climate change effects within the domain of fruit production and quality. This Special Issue covers various topics, such as plant stress physiology, biochemistry, stress-related metabolites, crop responses to stress, defense mechanisms, and factors influencing fruit quality.

Guest Editors

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Deadline for manuscript submissions

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