



Climate Change and Wine: New Frontiers toward Sustainable Winemaking

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Message from the Guest Editors

Climate change is increasingly impacting all agricultural-based production systems, including wine sector. Even if the impact of climate change may have different implications on wine production depending on specific area, traditional wine producer regions are more frequently exposed to higher temperatures and water deficits, reducing yields and modifying wine quality. Thus, climate adaptation and mitigation strategies are needed to preserve the production from local and traditional grapes varieties. Similarly, apprehension about the potential effects of global warming has increased scientists' interest in assessing future impacts and consequences on both production and consumption sides. At the same time, a growing demand from consumers and policies for more sustainable wines can be observed, which requires R&D investments in cleaner technologies and eco-efficiency without major changes in the local traditional practices formalized and protected by the EU quality schemes.

Within this framework, this special issue aims to collect rigorous studies and researches that highlight the challenges and opportunities of sustainable winemaking in a changing climate.





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