



Mediterranean Agriculture under Climate Change

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Message from the Guest Editors

Currently, the global concentration of carbon dioxide (the main greenhouse gas) is approximately 50% higher than pre-industrial levels, and the global average temperature has increased by 1.1 °C compared to 1880. This has resulted in extreme phenomena such as heat waves, drought, hail and violent rainfall, as well as soil degradation, the reduction in biodiversity and alterations in ecosystems, significantly compromising the yield of crops. Furthermore, the European Environment Agency predicts that climate change could reduce the value of European agriculture by 16% by 2050 due to increased drought and rainfall, and the agricultural production in Mediterranean areas could fall by 80% by 2100. However, agriculture can also play a fundamental role in climate change mitigation.

This Special Issue will highlight the impact of crop management practices (e.g., soil tillage, fertilization, irrigation, crop rotation, etc.), biodiversity and breeding programs on the quality and yield in the field of forage and vegetable crops in the Mediterranean environment. All types of articles, such as original research papers, opinions and reviews, are welcome.





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Message from the Editor-in-Chief

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