

## Special Issue

# Mediterranean Agriculture under Climate Change

### 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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### Guest Editors

Prof. Dr. Giovanni Mauromicale

Dr. Sara Lombardo

Dr. Gaetano Pandino

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### Deadline for manuscript submissions

closed (31 August 2024)



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

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