

Special Issue

Physiological Responses of Olive Trees under Different Environmental Conditions

Message from the Guest Editor

Dear colleagues✉

The ability of olive trees to grow and produce adequate yields depends on a number of environmental factors. Evaluation of how the physiology and yield of olive trees respond to different environmental conditions is critical for both the continuing expansion of olive growing in regions outside the Mediterranean Basin and due to global climate change. Although olive trees can survive a wide range of air temperature and water availability conditions, flowering and fruit set have demonstrated high sensitivity to environmental conditions. Fruit growth and oil production are also affected. Already high air temperatures in some regions and increasing temperatures in other areas are particularly challenging to mitigate, and information on how the phenology and physiology of specific cultivars respond to air temperature is often not available. In this Special Issue, all submissions that provide new and original information on olive growing and physiology under different environmental conditions will be considered. Submissions related to the role of crop management or cultivar selection under different conditions will also be welcomed.

Guest Editor

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Deadline for manuscript submissions

closed (30 October 2024)



Plants

an Open Access Journal
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Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/192458

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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