

Special Issue

Drought Stress and Crop Water Management in Sustainable Horticultural Production

Message from the Guest Editor

Agriculture is more impacted by climate change than the industrial and service sectors. Extreme climate events may become more frequent, leading to water shortages and droughts, particularly in semiarid regions. Sustainable agriculture requires adaptation and preparedness measures to increase resilience, which may include deficit irrigation, lower crop water footprint, innovative water management, and soil water conservation practices. The development of new technologies and strategies, such as smart irrigation, efficient water use and management, deficit water application, soil water management, and crop water footprint, is expected to help in the achievement of these goals.

Guest Editor

Dr. Rubens Sonsol Gondim
Embrapa Agroindústria Tropical, Fortaleza 60511-110, Brazil

Deadline for manuscript submissions

closed (30 June 2025)



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



mdpi.com/si/183410

Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)





Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.1



[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)



About the Journal

Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and
Technologies (DiSTeBA), Salento University, 73100 Lecce, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, FSTA, and other databases.

Journal Rank:

JCR - Q1 (Horticulture) / CiteScore - Q1 (Horticulture)