



Advanced Studies in Sustainable Cultivation and Management on Fruit Trees

Guest Editors:

Dr. Alexandra Boini

Department of Agricultural and
Food Sciences, University of
Bologna, 40127 Bologna, Italy

Dr. Giulio Demetrio Perulli

Department of Agricultural and
Food Sciences, University of
Bologna, V. le Fanin 46, 40127
Bologna, Italy

Prof. Dr. Gregory Reighard

Horticulture Program Team,
Plant and Environmental
Sciences Department, Clemson
University, Clemson, SC 29634,
USA

Deadline for manuscript
submissions:

closed (20 February 2024)

Message from the Guest Editors

Dear Colleagues,

Fruit tree ecosystems are known to require intensive use of resources, and production protocols need to tackle problems related to climate change. In fact, increasing temperatures, extreme weather events, and water limitation in terms of quantity and quality are impacting fruit production worldwide.

The purpose of the Special Issue on “Advanced Studies in Sustainable Cultivation and Management on Fruit Trees” is to present studies providing solutions to environmental constraints and to their consequences on tree and fruit physiology. Improvement and mitigation strategies related to water limitation and quality, heatwaves, soil and leaf nutrition, excessive light, training systems and rootstocks, and alien pests are welcome. Papers that also give insights into internal mechanisms responding to these stresses, such as sink-source relationships, carbohydrate dynamics, secondary metabolism, and molecular biology, will be highly appreciated. Papers or reviews describing the global situation of orchard practices and management, and future perspectives and directions, for higher sustainability in fruit production are more than welcome.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Luigi De Bellis

Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, Via Provinciale Lecce Monteroni, 73100 Lecce, Italy

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.

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 - Q2 (*Horticulture*)

Contact Us

Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/horticulturae
horticulturae@mdpi.com
[X@Horticult_MDPi](https://twitter.com/Horticult_MDPi)