



Domestication and Genetics of Horticultural Plants

Guest Editors:

Dr. Elisabetta Nicolosi

Department of Agriculture, Food and Environment, University of Catania, 95123 Catania, Italy

Dr. Filippo Ferlito

Council for Agricultural Research and Economics, Research Centre for Olive, Fruit and Citrus Crops, Corso Savoia 190, 95024 Acireale, Italy

Deadline for manuscript submissions:

30 November 2024

Message from the Guest Editors

We know well the fundamental role that the horticultural plants play in the lives of humans, by providing fruits and vegetables that can be consumed fresh or in a transformed form. In this context, a precise knowledge of the genetic diversity and domestication history of horticultural plants will have a beneficial impact for the set-up of (i) appropriate strategies for the conservation of genetic resources, (ii) studies aimed at the elucidation of the evolutionary history of a species, and (iii) novel breeding plans. In particular, the study of the origin and domestication of cultivated species has become a topic of great interest and has made important progress by combining approaches from different disciplines. In this context, the advent of high-throughput sequencing technologies enabled the simultaneous interrogation of hundreds of thousands of polymorphisms, providing an unprecedented tool for the study of the genetic diversity within and between species.

This Special Issue of *Plants* will highlight relevant research papers, as well as research communication and review articles, that are focused on the following themes.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

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.

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), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

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

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

mdpi.com/journal/plants
plants@mdpi.com
[X@Plants_MDPI](#)