Special Issue

Conservation of Grapevine Genetic Resources

Message from the Guest Editors

Grapevines are one of the longest domesticated plant species. Complementary conservation strategies should be considered to conserve collections of Vitis genetic resources for future requirements of breeding programs. Methods are based on slow growth storage and cryopreservation. Under cryopreserved conditions, the genetic integrity of the plant tissue is kept for an indefinite period of time, without any manipulations. Reliable cryopreservation methods that result in high levels of regrowth after liquid nitrogen exposure are key to the development of successful base collections. Recent advances in grapevine cryopreservation using vitrification-based procedures appear to be promising in order to overcome species- and genotype-specific responses. This Special Issue publishes research articles and reviews addressing short- medium- and long-term preservation of germplasm including field, in vitro and cryopreserved collections, safe germplasm exchange, management of germplasm banks, description, identification and evaluation of germplasm for grapevine.

Guest Editors

Dr. Zvjezdana Markovic

Faculty of Agriculture, University of Zagreb, Svetošimunska cesta 25, 10000 Zagreb, Croatia

Dr. Jean Carlos Bettoni

Independent Researcher, 35 Brasil Correia Street, Videira 89560510, Santa Catarina, Brazil

Deadline for manuscript submissions

closed (20 January 2023)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/73765

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

mdpi.com/journal/plants

MDPI

Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/journal/plants

About the Journal

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.

Editor-in-Chief

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

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)

MDPI