Special Issue

Genetic Improvement and Breeding of Grape

Message from the Guest Editors

Grape is widely grown because of its high fruit quality and adaptability in a wide range of climatic conditions. However, there are many limiting factors, such as fungal diseases, insect pests, drought, cold, changeable climate, etc. The objectives of grape genetic improvement must be to solve these emerging problems in addition to maintaining yield and quality. The aim of a number of grapevine breeding programs throughout the world is to develop new varieties or germplasms with higher quality and resistance to biotic and abiotic stresses as well as better adaptability. The purpose of this Special Issue on "Genetic Improvement and Breeding of Grape" is to discuss, among others, the following aspects: (1) gene identification and mapping of excellent grape traits, such as fragrant genes, seedless genes, and resistant genes; (2) development and assisted breeding of grape molecular markers; (3) breeding and identification of new grape varieties, such as improvement of grape embryo rescue breeding efficiency and identification of seedless lines; (4) application of grape transgenic technology; etc.

Guest Editors

Dr. Guotian Liu

College of Horticulture, Northwest A&F University, Yangling 712100, China

Dr. Zhi Li

College of Horticulture, Northwest A&F University, Yangling 712100, China

Deadline for manuscript submissions

closed (20 February 2024)

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/132225

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

mdpi.com/journal/horticulturae

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

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)