Special Issue

Genetic Diversity, Germplasm Resources and Biotechnology Application for Sustained Fruit Improvement

Message from the Guest Editors

Germplasm resources and the genetic diversity contained therein are the material basis for the selection and breeding of good plant cultivars. Fruit tree germplasm resources refer to plants with certain genetic material, which are valuable for fruit tree production and breeding, including wild species, closely related wild species, varieties, cultivated species, semi cultivated species, cultivars, strains and individual plants, etc., also including rootstocks for grafting and virus indicator plants for fruit trees. The abundant germplasm resources and genetic diversity provide the potential to continuously breed excellent new cultivars with high yield, good quality, multi-resistance, and adaptability to processing or mechanized production, so that fruit plants can better meet the needs of human development. Fruit trees are mostly perennial crops with a long juvenile phase, complex genetic background (highly heterozygous), and with a conventional breeding cycle which is long, workload which is large, and efficiency which is low.

Guest Editors

Prof. Dr. Weilin Li
College of Forestry, Nanjing Forestry University, Nanjing 210037, China
Dr. Yaqiong Wu
Research Center for Pomology, Institute of Botany, Jiangsu Province and Chinese Academy of Sciences, Nanjing 210014, China

Deadline for manuscript submissions

closed (31 January 2024)

Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed

mdpi.com/si/157647

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

mdpi.com/journal/plants

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