Special Issue

Enhancing Yield and Quality in Conventional and New Crops: From Molecular Approaches to Agricultural Practices

Message from the Guest Editors

An innovative approach and potent methodology for plant improvement is molecular marker-assisted breeding (MAB), which applies molecular biotechnologies (DNA markers) to practical breeding and selection. The incorporation of MAB into traditional breeding operations is an encouraging approach for crop development in the future. Often, new crop cultivars are suggested as a viable solution for climate change adaptation. Crop wild relatives (CWRs) could be sources of genetic diversity in producing new cultivars, given they have been used for crop improvement regarding disease and pest resistance as well as abiotic stress tolerance. We can use a more efficient form of selection to domesticate more wild species as we learn more about the genetic and biological basis of domestication processes. As we face climate change, this could lead to the development of novel crops and help us accomplish more environmentally sustainable agriculture, since many wild taxa are genetically diverse and locally adapted to certain ecosystems.

Guest Editors

Dr. Vasileios Greveniotis
Dr. Athanasios E. Korkovelos
Dr. Constantinos Ipsilandis

Deadline for manuscript submissions

closed (15 February 2024)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.8

mdpi.com/si/182063

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

mdpi.com/journal/agriculture

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6
CiteScore 7.8

mdpi.com/journal/agriculture

MDPI

About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

Prof. Dr. Les Copeland
Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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), GEOBASE, PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)