

Special Issue

Natural and Artificial Genetic Variability for Advancing in Fruit Plant Breeding

Message from the Guest Editor

Genetic variability can also artificially be increased in order to supplement or complement sources of natural origin for plant breeding. Physical or chemical mutagens have been used for mutant obtention, but also in reverse genetics for functional genomic purposes as was the case of tilling collections during the 1990s. From 2013, CRISPR-CAS9 technology has revolutionized mutagenesis for its precision and localization. This Special Issue is focused on the use of genetic variability in plants in order to answer specific breeding goals for fruit plant improvement. We welcome novel researches and reviews covering all related topics with the application of plant biodiversity in fruit plant species as with GWAS, markers-assisted selection, allelic variations for functional studies, genome editing, germoplasm collection characterization, genomic selection, and fine mapping. We also accept innovative works about melon and tomato as those species are models for ripening process that can be interesting for fruits crops as well.

Guest Editor

Dr. Carmen Leida

Regional Phytosanitary Service Emilia Romagna sez Ferrara, Via Bologna 358, Italy

Deadline for manuscript submissions

closed (31 December 2021)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/79689

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

mdpi.com/journal/

[agronomy](https://mdpi.com/journal/agronomy)





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



[mdpi.com/journal/
agronomy](https://mdpi.com/journal/agronomy)



About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, 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), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)