

Special Issue

Cucurbit Genetics and Breeding for Variety Improvement

Message from the Guest Editors

Cucurbits (Cucurbitaceae family) are economically important vegetable crops that are grown worldwide, including cucumber, melon, watermelon, and pumpkin/squash. Other cucurbits such as bitter melon, bottle gourd, wax gourd, luffa, and snake melon are popular in many Asian and African countries. In the past two decades, many genetic and genomic resources were developed, such as genome assemblies; molecular markers; genetic maps; newly mapped genes/QTLs; valuable germplasm and mutant identification; and newly developed or improved mapping strategies, genetic transformation, and gene-editing methods. This Special Issue offers an opportunity for both cucurbit researchers and breeders to share their current progress and innovations, and to disseminate their knowledge in the field of cucurbit genetics, genomics, traditional or molecular (MAS or gene editing) breeding, bio-informatics, biotechnologies, and phenomics. High-quality manuscripts including original research papers, review articles, and others addressing the above issues are all welcome.

Dr. XueWen Xu

Guest Editors

Dr. Yupeng Pan

Dr. Xuewen Xu

Dr. Shi Liu

Deadline for manuscript submissions

closed (30 December 2023)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/129568

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)