

Special Issue

Genomics and Genetic Diversity in Vegetable Crops

Message from the Guest Editors

Vegetable crops are an important source of people's daily diet and are widely eaten around the world because they are rich in health-promoting vitamins and mineral nutrients. With a growing global population and increasing demand for nutritious food, there is an urgent need to improve vegetable production, quality, and resilience to environmental challenges. At present, genomics and genetic diversity research have become powerful tools to achieve the improvement in vegetable varieties by revealing the genetic basis and improving the important genetic traits. This Special Issue aims to collect the latest research results in the field of vegetable genomics and genetic diversity. This Special Issue focuses on the research progress of the genetic regulation mechanism of key traits and the development of excellent varieties of vegetables by using modern biotechnology such as genomics in growth and development and resistance to abiotic stress. All kinds of vegetables are welcome, including but not limited to peppers, cabbage, tomatoes, cucumbers, watermelons, melons, broccoli, and carrots.

Guest Editors

Dr. Zhoubin Liu

Dr. Junheng Lv

Dr. Zhangsheng Zhu

Dr. Zhiqin Liu

Deadline for manuscript submissions

20 December 2025



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



mdpi.com/si/216458

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

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





Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



[mdpi.com/journal/
horticulturae](https://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, 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)