



Genes, Genetics and Breeding of Tomato

Guest Editor:

Prof. Dr. Yuyang Zhang

National Key Laboratory for
Germplasm Innovation and
Utilization of Horticultural Crops,
College of Horticulture and
Forestry Sciences, Huazhong
Agricultural University, Wuhan
430070, China

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editor

Tomato is widely cultivated and is one of the most important vegetable crops in the world, with great economic significance. During the past two decades, tomato production has increased two-fold, which is largely the result of genetic improvement toward high yield and adaptation. Over the years, the goals of the genetic breeding of tomatoes have targeted productivity and tolerance to pests and diseases. Consumers demand high nutritional and taste quality and producers demand tomato fruit that is easy to cultivate with high adaptation to stress or disease.

Tomato is a vegetable crop that is rich in genetic resources. Great progress has been made on the genes and genetics underlying the important traits, e.g., fruit development, yield, quality, abiotic stress adaptation, and disease resistance. These genes facilitate tomato improvement by molecular approaches. For this reason, the proposed Special Issue will present advances in gene mining, genetic mechanism, and molecular breeding of tomato. We look forward to receiving your manuscripts (**reviews and research articles**) and am eager to share your results with the research and industry community.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Luigi De Bellis

Department of Biological and
Environmental Sciences and
Technologies, Università del
Salento, Centro Ecotekne, Via
Provinciale Lecce Monteroni,
73100 Lecce, Italy

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.

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 - Q2 (*Horticulture*)

Contact Us

Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/horticulturae
horticulturae@mdpi.com
X@Horticult_MDPi