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Research on Pomegranate Germplasm, Breeding, Genetics and Multiomics

Guest Editors:

Prof. Dr. Zhaohe Yuan
College of Forestry, Nanjing Forestry University, Nanjing 210037, China

Prof. Dr. Gaihua Qin
Institute of Horticultural Research, Anhui Academy of Agricultural Sciences, Hefei 230001, China

Prof. Dr. Julián Bartual
Agricultural Experiment Station of Elche, CV-855, Km. 1, 03290 Alicante, Spain

Deadline for manuscript submissions:
closed (15 May 2024)

Message from the Guest Editors

Pomegranate (*Punica granatum* L.) belongs to the family Lythraceae, native to central Asia. In recent years, along with the increase in its cultivation and consumption, research on pomegranate germplasm, genetics, multiomics, cultivation, and postharvest physiology has progressed significantly. Genome sequences of pomegranate varieties and transcriptomic data from fruits, flowers, and leaves is expected to facilitate an understanding of the genetic control of metabolites in pomegranate.

The focus of this Special Issue is to cover pomegranate-related research areas, including germplasm evaluations, innovation and utilization, breeding, genetic map construction, molecular marker development, genomics, transcriptomics, and proteomics, including molecular and physiological mechanisms of fruit quality, fruit seed, flower development, or adaptation to environmental cues. Studies on pomegranate cultivation and postharvest physiology are also welcome. In addition, we aim to invite experts to submit review articles highlighting recent advances and future perspectives of pomegranate germplasm innovation and utilization.

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Special Issue

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Editor-in-Chief

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and Technologies (DiSTeBA), Salento University, 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.

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Contact Us

Horticulturae Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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