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Research on Pomegranate Germplasm, Breeding, Genetics and Multiomics

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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.

mdpi.com/si/158168

Special Issue

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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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