Special Issue

Germplasm and Breeding Innovations in Cucurbitaceous Crops

Message from the Guest Editors

Cucurbitaceous crops, including watermelons (Citrullus lanatus), melons (Cucumis melo), cucumbers (Cucumis sativus), and pumpkin and squash (Cucurbita spp.) crops, represent one of the most genetically diverse plant families, containing numerous health-promoting substances. In light of the deteriorating global environment, rapid population growth, and improving living standards, the market demand for high-quality cucurbitaceous crops has dramatically expanded. Over the past decade, germplasm and breeding innovations in cucurbitaceous Crops have exhibited rapid development. Research and application areas are mostly concentrated on the development of a new variety of resources by conventional and modern breeding methods, like BSA, Mutmap, EMS, etc., and the obtainment of new germplasms by genetic transformation and gene editing technology in cucurbitaceous crops is also an effective and efficient approach. This Special Issue welcomes the submission of review and research papers or short communications on the following topics: germplasm, genome sequence information, evolutionary relationships, and functional genes associated with important agronomic traits in cucurbitaceous crops.

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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.

Editor-in-Chief

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