

Special Issue

Cucurbit Genetics and Breeding for Variety Improvement

Message from the Guest Editors

Cucurbits (Cucurbitaceae family) are economically important vegetable crops that are grown worldwide, including cucumber, melon, watermelon, and pumpkin/squash. Other cucurbits such as bitter melon, bottle gourd, wax gourd, luffa, and snake gourd are popular in many Asian and African countries. In the past two decades, many genetic and genomic resources were developed, such as genome assemblies; molecular markers; genetic maps; newly mapped genes/QTLs; valuable germplasm and mutant identification; and newly developed or improved mapping strategies, genetic transformation, and gene-editing methods. This Special Issue offers an opportunity for both cucurbit researchers and breeders to share their current progress and innovations, and to disseminate their knowledge in the field of cucurbit genetics, genomics, traditional or molecular (MAS or gene editing) breeding, bio-informatics, biotechnologies, and phenomics. High-quality manuscripts including original research papers, review articles, and others addressing the above issues are all welcome.

Dr. XueWen Xu

Guest Editors

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Deadline for manuscript submissions

closed (30 December 2023)



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Editor-in-Chief

Prof. Dr. Leslie A. Weston

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