Special Issue

Phenomic and Genomic Tools for the Enhancement of Vegetable Crops

Message from the Guest Editor

Vegetables provide beneficial nutrients in human diets and can be consumed fresh or processed. Vegetable crops are grown in all regions of the world-on varying scales. They are generally of higher value than other crops and the level of domestication varies greatly. Vegetable crops face significant challenges from biotic and abiotic stresses and have specific quality and/or consumer preference attributes. Adoption of new technology will help breeders and geneticists improve these crops. Genomic studies using genotyping, genome sequencing, transcriptome profiling, or genome editing can lead to new knowledge and strategies for crop enhancement. Phenomics, or phenotyping plants with high-throughput / high-resolution technology, generates data sets that can dissect genetic differences in large breeding populations grown in diverse environments. This special issue of Agronomy will highlight applications of genomics and phenomics in vegetable improvement.

Guest Editor

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Deadline for manuscript submissions

closed (1 October 2021)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/77647

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