Special Issue

Genome-Wide Association Study and Genomic Prediction in Vegetable Crops

Message from the Guest Editors

Plant molecular breeding has been the foundation for crop improvement into the 21st century and has become part of breeding programs to expedite advances and genetic gains in many crops. Marker-assisted selection has been successfully used in the selection of specific major genes/alleles in plant breeding. Recently, predictive breeding via genomic selection (GS) has become an essential tool in crop improvement. Genomic prediction (GP) as a GS parameter has been investigated in dozens of crops for various agronomic traits and abiotic and biotic stress traits. Genomic breeding value estimation in GP is the key step in GS. With the decreased genotyping cost and improved statistical methods, genome-wide association study (GWAS) and GS offer new approaches for the genetic improvement of complex traits in crop species. This Special Issue aims to collect research papers and reviews focusing on "Genome-Wide Association Study in Vegetable Crops". Therefore, research articles, reviews, short notes, and opinion articles related to association mapping, genome-wide association study, genomic prediction, and genomic selection in vegetable crops are welcome to this Special Issue.

Guest Editors

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