

Special Issue

New Horizons in Vegetable Genetics and Genetic Breeding

Message from the Guest Editor

Traditional breeding has contributed to the improvement vegetable varieties, nevertheless it faces challenges in precise selection from large populations, rapid production and oriented improvement of elite parental lines. Currently, advances in sequencing technologies and bio-informatics has facilitated genetic and genomic studies, including genome assembly, omics studies (transcriptomic, proteomic and epigenetic sequencing), gene/QTL mapping, genome-wide association studies, (high-throughput) marker-assisted selection, genomic selection, which have contributed to prediction and selection in plant breeding populations, thus accelerating the breeding of new vegetable. This Special Issue, "New Horizons in Vegetable Genetics and Genetic Breeding", invites review, research and opinion articles on the advanced tools, approaches and models of genetics and genomics to improve vegetables. This Special Issue will also accept submissions the high-throughput genotyping and phenotyping of important traits, application of genome editing tools, generation and application of haploid/diploid inducer systems.

Guest Editor

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Message from the Editor-in-Chief

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