

## 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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### Deadline for manuscript submissions

closed (25 July 2023)



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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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