

Special Issue

Advances in Research for Sunflower Breeding and Genetics

Message from the Guest Editors

For many decades, plant breeders have used conventional breeding techniques to improve the sunflower. Nevertheless, there is a need for more sophisticated techniques. Sequencing of the sunflower genome, bridging traditional research with modern molecular investigations on the sunflower, has opened up new opportunities in sunflower breeding, genetics and genomics research. Genotype by sequencing and whole genome sequencing based on next-generation sequencing technologies have facilitated the production of large amounts of SNP markers for high-density maps as well as SNP arrays and allowed genome-wide association studies and genomic selection in sunflower. This Special Issue calls for original research articles, short communications, and review articles in all areas of plant breeding, molecular breeding and genomics, genome-wide association study (GWAS) and in vitro culture and genetic transformation, not limited to newly emerging fields but aimed at building a more resilient and sustainable agriculture of sunflowers.

Dr. Claudio Pugliesi

Guest Editors

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Deadline for manuscript submissions

closed (30 May 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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