Special Issue

Germplasm Resources and Molecular Breeding of Soybean

Message from the Guest Editors

Soybean is the world's most important food and feed crop. Soybean demand will increase over the coming decades due to the growing world population; unpredictable environmental conditions and ever-decreasing affordable inputs challenge soybean production. Soybean genetic improvements through modern breeding techniques are necessary to break domestication bottlenecks. Currently, advanced sequencing technologies coupled with sophisticated bioinformatics analysis have facilitated genetic and genomic studies, including genome assembly, omics studies, GWAS, gene/QTL mapping, MAS, and breeding by design, which has contributed to the prediction and selection of elite breeding populations. This Special Issue on the "Germplasm Resources and Molecular Breeding of Soybean" welcomes original research and review papers on fundamental and applied research highlighting all aspects of the genetics, breeding, GWA-study, biotechnology, evolutionary elements, genome editing, epigenetics, germplasm improvement, and any new technology or theories which can improve soybean flowering, maturity, architecture, yield, quality, and tolerance to biotic and abiotic stresses.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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