Special Issue

Application of Genomic Technologies in Adaptation and Domestication of Crops

Message from the Guest Editor

The improvement of crop varieties whilst maintaining diversity in the breeding pool for ongoing sustainable genetic gain is a challenging task. Hence, the identification of diverse genetic resources for use in plant breeding programs has now become a key goal in many crop improvement programs. Advancements in genomics technologies have delivered a variety of molecular tools to support research in crop domestication and adaptation. We invite you to share your success stories in this Special Issue. Submissions on (but not limited to) the following topics are invited: (1) exploration of crop wild relatives (CWRs) for improved genetic diversity; (2) application of genomic technologies to identify novel alleles; (3) genomic selection for enhanced genetic gain and crop productivity; (4) integration of useful alleles from unadapted germplasm into elite background using molecular tools; and (5) population genetics studies for crop adaptation and domestication.

Guest Editor

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