Special Issue

Breeding, Genetics and Genomics to Enhance Crop Production, towards Global Food Security

Message from the Guest Editors

Global food security for an ever-increasing population is a major concern and needs to be addressed with modern tools and techniques available in the area of genetics, breeding and genomics. This Special Issue focuses on the characterization of germplasm, farmers' varieties, land races and wild and weedy relatives of different crops; the phenotyping of germplasm for various biotic, abiotic and nutritional traits for identifying germplasm resources; generating the genetic structure of germplasm or populations through phenotypic and genotypic analysis; the development of novel molecular markers and their utilization in development of reference set or core set in germplasm; comparative studies on different molecular marker systems in evaluating genetic structure of germplasm or populations; the correlation of phenomics and genotyping to discover genomic regions (GWAS), novel genes or alleles, QTLs and the validation of genes through transcriptomics for various biotic abiotic and nutritional traits. I look forward to receiving your contributions.

Guest Editors

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Editor-in-Chief

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