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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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. Agriculture is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

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