

Special Issue

Genetics, Genomics, and Breeding of Legume Crops

Message from the Guest Editor

Legume crops are grown around the world, which are widely used for human and animal consumption or for the production of oils for industrial uses. Broadly, legumes include many well-known crops, such as soybean, common bean or dry bean, peas, lentils, alfalfa, clover, etc. Another distinctive nature of legume crops is the nitrogen-fixing function. Genetic improvements have been a key to the growth of crop production and will continuously contribute to sustainable agriculture and food security. Presently, plant genetic improvements are in the middle of an evolution, from field-based traditional breeding to a new era of applications of multiple novel techniques, such as marker-assisted selection, genomic prediction and gene-editing, which will be integrated with conventional methods in practical breeding. Research has involved all the traits of importance, including yield, quality, resistance to pests/diseases and abiotic stresses for the present. This Special Issue will provide a platform to present and discuss related topics of research, progress and trend in genetic, genomics and breeding of legume crops.

Guest Editor

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