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Legume Genomics and Breeding

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Message from the Guest Editors

Legumes are key crops that contribute to sustainable agriculture through their ability to fix atmospheric nitrogen and improve soil structure. Legumes are affected by diverse biotic (diseases, parasitic weeds, and insects) and abiotic stresses (heat, frost, drought, salinity, soil acidity, and nutrient deficiency). Conventional breeding approaches have resulted in significant genetic improvement in legume crops and improved cultivars have been developed for cultivation in different agro-ecologies. Significant research and development efforts have been undertaken in the past decade concerning important legumes at advanced research Institutes and in the CGIAR centers. These efforts have led to the development of valuable genomic resources and genomic tools, such as draft genome sequencing, resequencing data, large-scale genome-wide markers, dense genetic maps, quantitative trait loci (QTLs), and diagnostic markers. This Special Issue will gather innovative papers on genomic research in different legume crops.



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Special Issue



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Message from the Editor-in-Chief

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