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Genetic Identification, Exploration, Evaluation and Breeding of Plant Genetic Resources

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Message from the Guest Editors

As new uniform, distinct, and genetically homogeneous improved varieties are being bred to satisfy the market needs, less uniform landraces of annual species, traditional varieties, farmer's varieties, indigenous varieties of perennial species, crop wild relatives, wild-harvested plants, and other wild plant species are being lost, and their diversity eroded. Plant genetic resources have an important role to play to ensure food security but also in the production of other valuable materials such as fiber, fuel, chemical substances, etc.

The objective of this Special Issue is to provide new research and review articles on plant genetic resources worldwide. The scope of this Special Issue will include plant genetic resources' exploration, evaluation, and genetic identification to reduce the risk of genetic erosion and the loss of important alleles and genetic stocks, as well as to utilize the useful genes in crop breeding to increase yield stability in newly bred cultivars and to meet the growing environmental challenges and climate change.



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Special Issue



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Message from the Editor-in-Chief

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