Special Issue

Genetic Diversity and Gene Analysis in Forest Tree Breeding

Message from the Guest Editors

Genetic diversity and gene analysis are rapidly developing fields in forest tree breeding and have achieved a lot of fruitful findings. On the one hand, modern biological theories, techniques, and methods, especially molecular biology and biotechnology, such as whole-genome re-sequencing, genome-wide association study (GWAS), and genomic selection (GS), are widely used in forest genetic diversity and gene analysis. On the other hand, the research results and the application of new methods have formed some new theories and disciplines and also greatly developed the theories and methods of forest genetic diversity and gene analysis. In this Special Issue, we are looking for genetic diversity and gene analysis in the area of forest tree breeding, including phenotypic and molecular diversity, quantitative genetics, tree conventional and molecular breeding, analysis and identification of germplasm resources, gene function analysis, molecular markers, next-generation sequencing (NGS), and new technologies applied to forest genetic diversity and gene analysis.

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