

Special Issue

Genetic Diversity in Conifer Forests

Message from the Guest Editors

The origin and distribution of genetic diversity across landscapes determines the ability of forest tree species to sustain environmental change. Conifers are foundation species that cover large parts of the Northern Hemisphere and play a vital role in maintaining regional ecosystems. Despite their worldwide ecological and economic importance, conifer species have been understudied at the genomic level due in part to their large genome sizes. The rapid development of sequencing technologies and bioinformatics pipelines is providing unprecedented insights into the genome-wide genetic variation in conifers, aiding in understanding how their contemporary genetic variation has been shaped by various evolutionary forces, and how species respond to climate change challenges. This Special Issue is seeking contributions on genome-wide genetic diversity investigation in conifer species. These studies should provide important references for forest resource management, breeding and conservation actions.

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