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Importance of Genetic Diversity for Forest and Landscape Restoration

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Message from the Guest Editors

Forest tree species are the basic components of the whole ecosystem; their genetic diversity, in turn, is the basis of ecosystems' resilience. Anthropogenic influence on forest ecosystems is endangering the genetic diversity and long-term resilience of forest ecosystems worldwide. Forest and landscape restoration tackles the issue of fragmentation by re-planting deforested and devastated land, but in many cases, the procurement of forest reproductive material of sufficient genetic diversity is either neglected or creating obstacles for proper implementation. In this Special Issue, we encourage the submission of papers on all topics related to the recruitment of forest reproductive material for forest and landscape restoration, especially on lesser studied species of currently low economic importance, papers on gene flow and the effects of fragmentation on seed set and seed quality, as well as papers dealing with the practical implementation of forest restoration with seed and plant material of sufficient genetic diversity, and the effect of the planting material on the success of the respective restoration measure.



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Special Issue



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