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Molecular Genetics of Forest Trees and Applications in Breeding, Conservation and Management of Genetic Resources

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Message from the Guest Editor

Dear Colleagues,

Molecular genetics is a key scientific area providing tools and applications to study the vast genetic diversity of forest tree species and their complex life histories; dissect complex traits; apply marker-based breeding strategies aiming towards tailored selection of parents and acceleration of breeding cycles; characterize forest genetic resources, in situ conservation networks, and ex situ collections; identify genetic lineages, endangered populations, and untapped genetic resources; and study the genetics/genomics of adaptation to changing environments to mitigate the climate change effects.

This Special Issue aims to publish cutting-edge results from across the globe on the above topics and synthesize the recent knowledge obtained from applying molecular genetics on tree breeding, conservation, and management of forest genetic resources in the face of climate change.

Dr. Evi Alizoti
Guest Editor



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Special Issue



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