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Application of Plant Biotechnology in Forestry

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Message from the Guest Editors

Forest trees constitute the majority of continental biomass and terrestrial biodiversity. They provide various ecological services and are a source of raw material for many essential purposes. In recent years, the need for wood and its derivatives has increased, and will continue to do so. Biotechnological tools such as genomic selection, micropropagation and genetic engineering will play an essential role in meeting this demand with the smallest possible environmental impact. The objective of this Special Issue is to deepen our knowledge of the latest biotechnological approaches to forestry, such as rejuvenation through clonal propagation, including cuttings, micrografting and tissue culture; haploid generation; somatic embryogenesis; protoplast fusion; cryopreservation of germplasm; genetic engineering; and functional mapping of quantitative trait loci.



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Special Issue



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