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Genetics and Improvement of Forest Trees

Guest Editor:

ret. Prof. Emer. Yuji Ide

Graduate School of Agricultural
and Life Sciences, The University
of Tokyo, 1-1-1 Yayoi, Bunkyo-ku,
Tokyo 113-8657, Japan

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Message from the Guest Editor

Forest tree improvement has mainly been implemented for the purpose of improving the productivity of planted forests. However, in the drastically changing global environment, tree improvements in various traits related to environmental adaptability are also required. Even in trees, abundant genomic or genetic information has been accumulated in several groups that are important as forest resources, such as *Pinus*, *Picea*, *Cryptomeria*, *Populus*, *Eucalyptus*, etc. Such information not only enables the rapid improvement of new traits, but also greatly contributes to the verification of the results of forest tree breeding programs that have been carried out and the improvement of the program itself based on them. However, there are not many cases where such genetic information is actually used in forest tree improvement. This Special Issue will focus on genetic information that contributes to tree improvement, including not only the inheritance of traits, but also genetic information related to physiological responses behind such traits. This issue will also focus on the specific application of genetic information to forest tree improvement.



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Special Issue



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Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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