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Forest Tree Breeding and Sustainable Management Strategies under Climate Change

Guest Editors:

Dr. Cristina Vettori

Istituto di Bioscienze e Biorisorse (IBBR), Consiglio Nazionale delle Ricerche (CNR), Via Madonna del Piano 10, 50019 Sesto Fiorentino, FI, Italy

Dr. Donatella Paffetti

Dipartimento di Scienze e Tecnologie Agrarie, Alimentari, Ambientali e Forestali (DAGRI), Università degli Studi di Firenze, Via Maragliano 77, 50144 Firenze, Italy

Deadline for manuscript submissions:

closed (30 June 2023)

Message from the Guest Editors

Forest areas are important for ecosystem services, as forests are multifunctional, serving economic, social and environmental purposes. Forest genetic resources (FGRs) are the basis of the long-term evolutionary processes maintaining the adaptive potential of forests. Genetic diversity is the basis of the FGRs; therefore, it is extremely important to maintain and/or enhance forest genetic diversity and, consequently, favor forest adaptive ability. Advancements in forest tree breeding strategies and a correct sustainable forest management (SFM) approach can preserve FGRs and ecosystem biodiversity and permit a correct sustainable use of forest products, useful for social-economy and local and rural communities. This Special Issue aims to include all the studies related to forest research advancements in breeding, genetics, genomics, adaptive silviculture presenting actual knowledge on forest tree breeding and sustainable management strategies, which could preserve and/or increase the resilient ability of our forests under climate change.



mdpi.com/si/137857

Special Issue



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Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

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Forests Editorial Office
MDPI, St. Alban-Anlage 66
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