Special Issue

Current Applications of Genetics to Forestry

Message from the Guest Editors

Genetics is a rapidly progressing area of biological sciences with increasing economic and ecologic relevance in Forestry and Conservation during the last years. Traditional selection procedures have driven the collection and production of forest reproductive materials, obtaining significant improvements. Knowledge of inter- and intraspecific genetic diversity, gene flow, and migrations, as well as genetic breeding focused on production and resistance to abiotic threats, diseases, plagues, and pests, facing global change, will play an increasingly key role in forestry activities and policies in the future.

This Special Issue of Forests is aimed an overview of the currently ongoing applications of genetics to forestry, including diversity studies, common garden experiments, advances in the comprehension of the life-term plastic response and genetic/epigenetic adaptations of usually long-living forest tree species, as well and genetic breeding, especially those taking advantage of the most recent techniques (massive sequencing, bioinformatics, new phenotyping and analysis techniques, clonal propagation of elite genotypes, etc.), as well as future prospects in these areas.

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Deadline for manuscript submissions

closed (10 November 2021)

Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6

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forests

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Message from the Editor-in-Chief

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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