Special Issue

Population Genetic Diversity and Conservation in Forests

Message from the Guest Editors

This Special Issue focuses on the critical role of genetic diversity in forest ecosystems, essential for species adaptation and survival amidst environmental changes. It explores both in situ and ex situ conservation strategies, alongside cutting-edge scientific approaches, to safeguard forest genetic resources. Modern molecular tools, including SSRs, SNPs, and DNA markers, are highlighted for their ability to reveal genetic variations and inform conservation efforts. Geographic Information Systems (GIS) and remote sensing further aid in mapping and managing forest landscapes. With increasing threats to forests, this issue emphasizes the urgent need for genetic conservation through research, management, and community involvement, ensuring the preservation of our forests' genetic heritage for future generations. Potential topics include the significance of genetic diversity, sources of diversity, conservation strategies (in situ, ex situ, seed banks, sustainable management), and the application of molecular and genetic tools.

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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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