Special Issue

Forest-Tree Comparative Genomics and Adaptive Evolution

Message from the Guest Editors

Forest-tree comparative and evolutionary genomics have gained much attention in recent years. This research topic will collect articles dealing with the understanding of genome evolution and convolution of gene regulation for growth, development, reproduction, and responses to abiotic and biotic stresses, epigenomics, interactome analysis, macro- and micro-evolutionary processes and species history, architecture of quantitative traits, applications in industrial sectors, genetic resource conservation and breeding. We invite scientists to contribute their omics research to this topic, including but not limited to:

- Forest tree genomes;
- Evolutionary origins and diversification of genes or gene family in trees;
- Evolution and diversification of trees' traits;
- Molecular mechanisms involved in biotic and abiotic stress responses, or development;
- Trees' microbiomes and holobionts;
- Molecular interactions (high-throughput experimental techniques and computational predictions);
- Epigenomics;
- Integrating omics into phylogeography and phylogeny;
- Genotype-phenotype association;
- Conservation genomics;
- Mutagenesis and directed evolution.

Guest Editors

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closed (31 March 2024)

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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.

Editor-in-Chief

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