

Special Issue

Biodiversity Hotspots in Forests: Conservation Strategies and Global Implications

Message from the Guest Editors

Forests are among the world's most biologically diverse ecosystems, providing habitats for a vast range of plants, animals, fungi, and microorganisms, and fostering complex ecological interactions. However, forest biodiversity is increasingly threatened by deforestation, fragmentation, degradation, and climate change. Since forests support over 80% of terrestrial biodiversity, their preservation is essential for maintaining ecological balance and ecosystem services globally. Special attention is needed for conserving biodiversity hotspots—areas of high species diversity. This Special Issue aims to integrate scientific efforts worldwide, addressing emerging issues, management needs, and effective conservation strategies for forest biodiversity hotspots. We welcome studies on ecological processes in these hotspots; impacts of disturbance and climate change; forest resilience; structural complexity and ecosystem functions; and relevant silvicultural practices. These contributions will help develop improved strategies and highlight the importance of forest ecosystem stability and biodiversity conservation.

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