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Soil Carbon Storage in Forests: Dynamics and Management

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Message from the Guest Editors

Soil carbon storage in forests plays a crucial role in the global carbon cycle and climate change mitigation. Forest management practices can significantly influence soil carbon dynamics and storage. This Special Issue of Forests aims to explore the dynamics of soil carbon storage in forests and the management strategies for enhancing it.

Research articles in this Special Issue may focus on various aspects of soil carbon storage in forests, including the impact of forest management practices (e.g., logging, thinning, reforestation, and afforestation) on soil carbon stocks. Studies investigating the effects of climate change, land use change, and disturbances (e.g., wildfire, insect outbreaks) on soil carbon storage are also welcome.

Furthermore, this Special Issue encourages submissions that explore the role of soil carbon in forest ecosystem functioning and services, as well as the potential trade-offs and synergies between soil carbon storage and other ecosystem services (e.g., biodiversity conservation, water regulation, and timber production). We also invite contributions that investigate the social, economic, and policy dimensions of managing soil carbon in forests.

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Message from the Editorial Board

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