



Dynamics of Wood Debris in Forests: Reserves, Decomposition and Greenhouse Gas Emissions

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Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

As is known, forests are the largest terrestrial reservoirs of carbon and global regulators of the gas compound of the atmosphere and climate. A specific feature of the forest ecosystem carbon cycle is the accumulation of carbon and other elements in the above-ground woody pool. Their mobilization is achieved as a result of the biological decomposition of wood. It is a lengthy, complex and still little-studied process, during which O₂ is consumed and CO₂ emitted in globally significant volumes.

The aims and scopes of the Special Issue are to present new data on dynamics of stock, decomposition and carbon respiration of woody debris.

This Special Issue is planning to receive articles on carbon reserves in wood debris, the rate of decomposition and carbon emission under decomposition and the effect of climate and manmade activity on these processes. We also plan to publish studies of N and C stable isotopes in wood and their fractionation by destructors. Research related to studies of wood as a specific environment and ecology of wood inhabitant organisms is welcome.





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Journal Rank: JCR - Q1 (*Forestry*) / CiteScore - Q1 (*Forestry*)

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