



Forest Soil Carbon Cycle in Response to Global Change

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Message from the Guest Editors

Forests are key components of the global carbon cycle storing more than 39% of the total terrestrial organic carbon both below and above ground. Knowledge of the diversity of plant species' effect on soil organic carbon formation and storage is limited. A better understanding of the relationships between biodiversity, productivity, and carbon sequestration may help in maintaining forest productivity and improving terrestrial carbon cycling, feedback, and their future projection in the context of global change. This Special Issue aims to synthesize the current understanding of relationships between forest productivity, biodiversity, microbial diversity, and carbon persistence and formation, to solve the mechanisms of species diversity affecting soil organic carbon accumulations, and to illustrate how this knowledge could be translated into forest management strategies and long-term carbon sequestrations sustainably in the context of global change.

Manuscripts focusing on forest species diversity, carbon cycling, microbial diversity, soil carbon, litter decomposition and soil carbon formation and persistence are welcomed in this Special Issue.





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