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Disturbance Effects on Soil Carbon and Greenhouse Gas Emissions in Forest Ecosystems

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Message from the Guest Editors

Forest ecosystems are often disturbed by agents such as harvesting, fire, wind, insects and diseases, and acid deposition, with differing intensities and frequencies. Such disturbances can markedly affect the amount, form and stability of soil organic carbon in and the emission of greenhouse gases, including CO₂, CH₄, and N₂O, from forest ecosystems. It is vitally important that we improve our understanding of the impact of different disturbance regimes on forest soil carbon and greenhouse gas emissions to guide our future research, forest management practices, and policy development. Through this special issue, we aim to bring together researchers working on different aspects of forest ecology to share their findings on disturbance effects on soil carbon and greenhouse gas emissions in forest ecosystems. Comparisons on disturbance effects can be made among biomes and climate regions.



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