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Carbon Fluxes and Production in Forest Ecosystems

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Message from the Guest Editors

Clarifying carbon fluxes and production in forest ecosystems is a prerequisite for fully understanding carbon sequestration in terrestrial ecosystems, contributing to enhancing timber productivity and realizing net zero CO_2 emissions around or after 2050. Forests store the largest carbon pool in terrestrial ecosystems, and exchange extensively with the atmosphere. Carbon fluxes and production in forest ecosystems can be affected by changes in many natural and anthropic factors. In turn, the responses of the carbon fluxes and production in forest ecosystems further aggravate or alleviate climate change.

This Special Issue of *Forests* is focused on carbon fluxes and production in forest ecosystems, and how they are influenced by changes in natural and anthropic factors. Articles may focus on any aspect of carbon fluxes or production in forest ecosystems, including net primary productivity, photosynthesis, soil organic carbon formation and decomposition, ecosystem respiration, soil respiration and so on, and their responses to natural and anthropic disturbance.

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