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Biogeochemical Cycles of Nitrogen in Forest Ecosystems

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Message from the Guest Editor

Dear colleagues,

Nitrogen (N) is an essential element for all forms of life on earth, and N cycling is the key to understand the structures and functions of forest ecosystems, which play a central role in regulating regional N balance and mitigating climate changes. Nowadays, global changes, such as elevated N deposition, climate, CO₂ fertilization and land uses, have greatly shaped terrestrial N cycling. However, there still remain open questions on what dominates forest N biogeochemical cycling and how it happens under global changes. In this Special Issue of *Forests*, we explore the processes, patterns, and mechanisms of biogeochemical cycles of N in forest ecosystems under global changes, including but not limited to the following items: N fixation, translocation, transformation, losses (leaching/emission), retention, the fate of N, and the interactions with biological and/or abiotic factors. We encourage studies from all the related field, including experimental studies, monitoring approaches and models, to contribute to this special Issue, in order to promote knowledge and sustainable management for forest ecosystems in the future.



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Special Issue



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