

Special Issue

Plant Litter Dynamics in Forest Ecosystems

Message from the Guest Editors

Plant litter dynamics encompass processes such as litterfall input, decomposition, nutrient and carbon output, the formation of soil organic matter, and nutrient release, among others, all of which primarily regulate biogeochemical cycles in forest ecosystems. A series of factors influence litterfall input, including species composition, forest age, and climate. Decomposers are of great significance to plant litter dynamics. However, nutrient and carbon output should be given particular attention when considering Plant Litter Dynamics. A comprehensive understanding of plant litter dynamics benefits forest productivity and maintaining biodiversity. Therefore, under global climate change, the relationship between plant litter dynamics and forest development is growing increasingly complex, underscoring the need for more studies focused on plant litter dynamics:

- Factors regulating plant litter dynamics in various forest ecosystems
- Comparative studies of plant litter dynamics for different forest or plant types
- The relationship between soil biogeochemical cycles and plant litter dynamics
- The response of plant litter dynamics to human disturbance in the context of global climate change

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