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Litterfall Production and Decomposition in Forest Plantations

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Deadline for manuscript submissions:
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Message from the Guest Editors

Litter fall is an important component of forest ecosystems. It signifies a crucial pathway for nutrient return to the soil and is an important source of soil organic carbon. Litter decomposition involves nutrient mineralization and carbon cycling, which is mainly controlled by climate, litter quality, and the nature and abundance of the decomposing organisms. In plantation forests, the mechanics and how litter production and decomposition respond to different forest management measures are not fully understood, especially the mechanisms of fine root decomposition. This Special Issue plans to present an overview of the recent advances in the field of litter decomposition in plantation forests and promote the knowledge of nutrient and carbon cycling in planted forests.

Potential topics include, but are not limited to:

- Litter production;
- Limiting and rate-regulating factors;
- The impact of climate/microclimate/litter quality/soil properties on litter decomposition;
- The impact of climate change on litter decomposition and nutrient return;
- The impact of forest management measures on litter decomposition and nutrient return;
- Role of soil biota in litter decomposition.

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