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Trace Elements Biogeochemical Cycling in Forests Ecosystem

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Message from the Guest Editor

Forest ecosystems are one of the most active parts of the biogeochemical cycle on a global scale, and studying the biogeochemical processes of trace elements in forest ecosystems is essential for understanding trace element cycling and assessing forest service functions. In recent years, the rapid development of social economy has led to the prominent problem of trace elements in the environment. Trace elements have the characteristics of difficult biodegradation, persistence and long-term accumulation. They are easily enriched in the food chain and pose a potential threat to human health, animals, plants and the ecological environment. The long-range transport of trace elements has adverse impacts on forest ecosystems. However, forest is a complex ecosystem, and its multi-interface and multi-media characteristics make the study of trace element biogeochemical cycles still challenging.

In this Special Issue, we explore the complex biogeochemical processes of trace elements in various media of forest ecosystems, examine the input and output pathways of trace elements, and examine new management practices for assessing potential ecosystem consequences in the future.



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Special Issue



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