



Influence of Environmental Changes on Forest Soil Quality and Health

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Message from the Guest Editors

Natural disturbance and human activity have resulted in significant structural, functional and environmental changes in forest ecosystems. These changes directly or indirectly impact the quality and health of forest soil. Key indicators of these impacts include soil organic matter, carbon pools, carbon sequestration capacity, soil fertility, nutrient cycling, soil water content, soil temperature, soil fauna, and the composition and activity of soil microorganisms. However, the specific extent and mechanisms of how environmental changes affect soil quality and health are still not fully understood. This Special Issue aims to provide an overview of recent developments in the field of forest soil quality and fertility in relation to environmental change.

Potential topics include, but are not limited to:

- Amount and distribution of carbon stocks in soil;
- Ecological stoichiometry of soil nutrients;
- Carbon sequestration capacity;
- Evaluation of soil quality;
- Dynamic patterns of soil CO₂ efflux;
- Phytoremediation of polluted soils;
- Role of soil animal community in the improvement of soil property;
- Relationships between soil physicochemical properties and soil carbon pools.



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