

## Special Issue

# Impacts of Forest Operations on the Sustainable Management of Forest Soils

### Message from the Guest Editors

Forest operations can adversely affect forest soils and the subsequent growth of trees and crops. Soil compaction leads to a reduction in infiltration and redistribution of soil water, which increases runoff and erosion. These consequences can persist and negatively impact subsequent forest and crop growth and productivity in both the short and long term. There are uncertainties about the effects of forest operations on the quality of different soil types to achieve and maintain the sustainability of forest systems. The goal of this SI is to provide an input on advances in soil tillage, management and forest harvest operations throughout the forest cycle to achieve and maintain productivity and sustainability. Potential topics include, but are not limited to:

- Soil tillage and the management of soil's physical, chemical and biological qualities;
- Soil organic carbon, aggregate stability, and nutrient cycling;
- The effects of soil tillage and harvesting operations on soil physical–hydraulic properties;
- The effects of land use, management, and land use changes on soil quality;
- Components of the hydrologic cycle and erosion processes at the slope and watershed scales.

### Guest Editors

Dr. Miriam Fernanda Rodrigues

Prof. Dr. Luis Eduardo Akiyoshi Sanches Suzuki

Dr. Gabriel Oladele Awe

### Deadline for manuscript submissions

closed (11 December 2023)



## Forests

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