

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

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.4



mdpi.com/si/132574

Forests
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)





Forests

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.4



[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)



About the Journal

Message from the Editorial Board

Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

Editors-in-Chief

Prof. Dr. Cate Macinnis-Ng

Department of Biological Sciences, Faculty of Science, University of Auckland, Private Bag 92019, Auckland 1142, New Zealand

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia, I-25121 Brescia, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q1 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.9 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2024).