Special Issue

Forest Soil Organic Matter and Biogeochemical Cycle

Message from the Guest Editors

This Special Issue delves into the pivotal role of soil organic matter (SOM) within forest ecosystems, emphasizing its significance in nutrient dynamics, carbon storage, and overall ecosystem sustainability. Forest soils, as substantial reservoirs of organic carbon, are integral to the global carbon cycle. This collection of articles explores the multifaceted aspects of SOM, from its formation and decomposition to its interactions with minerals and soil biota. Moreover, this Special Issue broadens its scope to include the impacts of climate change, land-use alterations, and forestry practices on SOM. It also covers the modeling of entire terrestrial ecosystems, reflecting on how these systems are simulated to predict changes in forest dynamics and carbon sequestration under different environmental scenarios. Highlighting microbial and enzymatic processes, this Special Issue offers insights into the mechanisms driving SOM turnover and nutrient availability. Contributions from various geographic regions and forest types provide a comprehensive view of forest soil biogeochemistry, aiming to inform sustainable management and conservation strategies.

Guest Editors

Dr. Mahdi (Andrè) Nakhavali

Dr. Daniela Dalmonech

Dr. Mykola Gusti

Deadline for manuscript submissions

30 March 2025

Forests

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 4.4

mdpi.com/journal/
forests

MDPI

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).