



Nutrients and Biota in Forest Soils

Guest Editors:

Dr. Annelly Kuu

Institute of Agricultural and
Environmental Sciences,
Estonian University of Life
Sciences, 51006 Tartu, Estonia

Dr. Merrit Shanskiy

Institute of Agricultural and
Environmental Sciences,
Estonian University of Life
Sciences, Kreutzwaldi Str. 5,
51006 Tartu, Estonia

Dr. Michail Orfanoudakis

Department of Forestry and
Management of the Environment
and Natural Resources,
Democritus University of Thrace,
68200 Orestiada, Greece

Message from the Guest Editors

The main biological components of forest soil are plant roots, fungi, microbes and soil fauna, all of which participate in the functioning of the forest ecosystem by refining and decomposing organic matter. Soil plays an important part in natural cycles, including the nutrient cycling cycle, which involves soil organic matter, such as carbon, nitrogen and phosphorus, being absorbed and stored in the soil. Soil biota consumes large amounts of nutrients that move from one trophic level to another in the food chain. As a result, the soil biota mediates ecosystem services, with the most important being the decomposition and dynamics of organic matter, nutrient cycling, carbon sequestration, energy flow, water regime and preservation of water reserves in the soil and for plant growth. In this Special Issue, we focus on forest soil nutrients and biota.

Keywords

- nutrient cycling
- plant–soil interactions
- soil biota and diversity
- soil food webs
- ecosystem services

Deadline for manuscript
submissions:

30 April 2024





forests



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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*)

Contact Us

Forests Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/forests
forests@mdpi.com
[X@Forests_MDPI](https://twitter.com/Forests_MDPI)