Special Issue

Ecological Functions of Forest Soils

Message from the Guest Editor

Temperature, moisture, and nutrient availability are the driving forces of biological processes occurring in soil ecosystems. Roots, rhizosphere, and freely living organisms form complex interactions and antagonistic networks with each other and the physicochemical soil properties. Understanding these complex interactions is the basis of understanding forest soil ecological functions. In recent years, many new methods have been developed greatly. This increasing amount of information describing the soil ecosystem properties at different spatial levels gives room, also, for the use of new types of modeling efforts that increase our understanding of the forest soil ecosystems. Interactions between soil physicochemical properties and different organisms living in soil, roots, and the rhizosphere are the focus of this Special Issue. Of special interest are the processes occurring in rhizosphere and soil pores, but also more holistic examinations, including models of the behavior of forest soil ecosystems and the interactions between ecological soil functions and trees, are appreciated.

Guest Editor

Prof. Dr. Hannu Ilvesniemi
Natural Resources Institute Finland (Luke), Helsinki, Finland

Deadline for manuscript submissions

closed (25 July 2025)

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/226555

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

mdpi.com/journal/forests

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/journal/forests

MDPI

About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

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 - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).