



forests

an Open Access Journal by MDPI



Soil Carbon and Nutrient Cycling in Forests

Guest Editor:

Dr. Yasuo Imura

School of Environmental
Sciences, The University of Shiga
Prefecture, 2500 Hassaka-cho,
Hikone-City 522-8583, Shiga,
Japan

Deadline for manuscript
submissions:

closed (29 February 2024)

Message from the Guest Editor

Dear Colleagues,

Rapid changes in forest ecosystems, driven by climate change and escalating nitrogen deposition, underscore the urgency of understanding forest responses to these environmental stressors. Integral to this understanding is a comprehensive understanding of the forest carbon cycle that goes beyond the analysis of aboveground dynamics to include belowground carbon dynamics involving roots and soil. Recent research is shedding light on the critical link between these carbon dynamics and the cycling of essential nutrients such as nitrogen and phosphorus. This Special Issue aims to add to the existing body of knowledge by delving deeper into the multifaceted, yet somewhat mysterious, forest carbon cycle and its interactions with nutrient cycles. We cordially invite wide-ranging studies that focus on carbon and nutrient cycles and their interactions throughout forest ecosystems—from the leafy canopy to the intricate root systems and soils below. Through this collaborative effort, we seek to demystify nature's complex intricacies and better equip ourselves to address the impending environmental challenges.



mdpi.com/si/172836

Special Issue



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, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/forests
forests@mdpi.com
X@Forests_MDPI