Special Issue

Carbon and Nutrient Transfer via Above and Belowground Litter in Forests

Message from the Guest Editors

Plants periodically shed more than 90% of their biomass production as above- and below- ground litter, including foliar, twig, flower, log, root and others. It is one of the key biogeochemical processes in transferring carbon and nutrients from plants back into the soil within forests, which are the most important sources of soil organic matter formation and are crucial in maintaining soil fertility.

It is well documented that global lands have been greening since the 1980s. As a result, plant litter production inevitably increases with increasing net primary productivity. However, current attention has not been fully paid to the changes of litter quality and quantity, and the transfer processes of carbon and nutrients through litter production or decomposition in forests. Moreover, these processes may respond differently to the ongoing climate change among forest ecosystems. Obviously, up-to-date knowledge and theory are urgently needed.

We are seeking papers on the questions above. This Special Issue will provide an opportunity to present the results of studies on the past, current and future carbon and nutrient transfer from forest litter.

Guest Editors

Prof. Dr. Fuzhong Wu

Prof. Dr. Zhenfeng Xu

Prof. Dr. Wanqin Yang

Deadline for manuscript submissions

closed (20 June 2022)

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).