



forests

an Open Access Journal by MDPI



Soil Chemistry and Biochemistry in Forests

Guest Editors:

Prof. Dr. Jianping Wu

College of Ecology and
Environmental Sciences, Yunnan
University, Kunming 650500,
China

Dr. Jie Zhao

Institute of Subtropical
Agriculture, Chinese Academy of
Sciences, Changsha 410125,
China

Dr. Songze Wan

College of Forestry, Jiangxi
Agricultural University, Nanchang
330045, China

Deadline for manuscript
submissions:

closed (20 October 2022)

Message from the Guest Editors

On the Earth's land surface, forests have been estimated to occupy 4.1 billion hectares. Forests contain 80% of all aboveground C and approximately 40% of all belowground C, which plays an important role in terrestrial functions. Since above- and belowground components of ecosystems are tightly linked and their interactions greatly affect ecosystem processes and properties, mineral nutrients are transferred and retranslocated by a series of chemical and biogeochemical cycles between aboveground and belowground components. However, there are still some gaps in our understanding of how soil chemistry and biochemistry affect processes and functions in global forest ecosystems. The roles of stoichiometric properties, soil colloids, water dynamics, and interactions between macro- and micro-nutrients in growth and carbon sequestration need more studies. We encourage studies on soil chemical processes and related biotic and abiotic mechanisms in forest ecosystems, including case studies, meta-analysis studies, and model studies, to contribute to this Special Issue in order to promote knowledge and management strategies of forest ecosystems.



mdpi.com/si/100933

Special Issue



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)