



The Compositions, Dynamics and Associated Functioning of Soil Microorganism Communities in Forest Ecosystem

Guest Editors:

Dr. Xiaohong Wu

College of Advanced
Interdisciplinary Studies, Central
South University of Forestry and
Technology, Changsha 410004,
China

Dr. Yueming Liang

Chinese Academy of Geological
Sciences, Beijing, China

Dr. Peng Dang

College of Forestry, Central South
University of Forestry &
Technology, Changsha, China

Deadline for manuscript
submissions:

closed (20 September 2023)

Message from the Guest Editors

Soil microorganisms play an indispensable role in maintaining forest ecosystem functioning, such as organic matter decomposition, nutrient transformation and supply. Disturbances introduced by global climate changes and anthropogenic activities are expected to impact the composition and structure of soil microbial communities, which subsequently affects ecological processes and ecosystem functions. Although the dramatic improvements in sequencing technology have improved the understanding of microbial ecology in forest soils in recent years, the responses of forest soil microbes to climate change and anthropogenic factors remain incompletely understood. Therefore, it is of great relevance to elucidate how soil microbial communities respond to various disturbances in forests. In this Special Issue, we aim to bring together studies from a wide array of scientists examining the influence of disturbances on the compositions, dynamics and associated functions of soil microbial communities in forest soils. Proposing approaches for microbial community analysis such as stable isotopes and metagenomics or review papers highlighting research gaps are also welcomed.





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, Grosspeteranlage 5
4052 Basel, Switzerland

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

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