



forests



an Open Access Journal by MDPI

Microbial Community Composition and Function in Forest Soil

Guest Editors:

Dr. Yujing Yang

Faculty of Resources and
Environmental Science, Hubei
University, Wuhan 430062, China

Prof. Dr. Xiankai Lu

South China Botanical Garden,
Chinese Academy of Sciences,
Guangzhou 510650, China

Dr. Xiong Fang

College of Land Resources and
Environment, Jiangxi Agricultural
University, Nanchang 330045,
China

Deadline for manuscript
submissions:

closed (1 December 2023)

Message from the Guest Editors

Soil microbes play important roles in maintaining multiple ecosystem functions and driving biogeochemical cycles. They can be the key indicators for evaluating soil health and fertility, and the effectiveness of vegetation restoration. Microbial communities are very complex and sensitive to the environment. Under the background of climate change and ecological restoration, many unknowns and uncertainties exist in the spatial and temporal patterns, functions and influencing factors of forest soil microbes.

We encourage the research including but not limited to: the microbial community composition and diversity; community assembly; growth and metabolic activity and biomass; soil enzymes; stoichiometric characteristics; functional genes; special groups of microbes; plant-microbe interactions; microbial functions (such as involved in elemental biogeochemical cycles, carbon fixation, soil quality, soil formation, pollutant degradation, litter decomposition, and etc.), and their biogeographic patterns; temporal dynamics; and responses to vegetation succession and environmental and climate changes.



mdpi.com/si/138501

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