Special Issue

Ecology and Genomics of Forest Fungi and Their Interactions 2.0

Message from the Guest Editor

Our interest for this Special Issue stems from the fact that there have been very scanty literature reports on the impact of genomics and molecular biology on the mechanistic understanding of life styles of forest fungi and their interactions (pathogenic, saprotrophic, endophytic, mutualistic) with direct relevance to forest ecosystems. The recent novel technological advances in -omics and bioinformatics have remarkably contributed to the perceived progress in this field. The availability of genome sequences of hundreds of fungal species occupying diverse ecological niches and representing various taxonomic groups provides unmatched opportunities for comparative genomics analysis. At the same time, the application of next-generation sequencing (NGS) and transcriptomics has facilitated the accumulation of an enormous amount of data on forest trees and soil microbiome, as well as their molecular interactions. Studies on communities of mycobiome colonizing different forest tree tissues (endophere, rhizosphere, phyllosphere) are also of interest.

Guest Editor

Prof. Dr. Fred O. Asiegbu

Department of Forest Sciences, University of Helsinki, Latokartanonkaari 7, FI-00014 Helsinki, Finland

Deadline for manuscript submissions

closed (30 April 2024)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/174907

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/microorganisms

About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

MDPI