Special Issue

Soil Microbial Communities under Environmental Change

Message from the Guest Editor

Climate change, as well as changes in land use and urbanization, are affecting soil microbial community structure, composition, diversity and function. The complex ecology of soil microbes support a better understanding of the multi-functionality of soils. In this respect, the importance of developing microbiological indicators for the monitoring of soil quality has been emphasized, in order to establish an early-warning bioindicator of potential losses of the multi-functionality of soils faced with environmental changes. Therefore, studies focusing on soil microbial communities and their relationships with key environmental factors constitute important research not only to reveal the effects of environmental changes, but also to identify microbial indicators to monitor such changes in the soil environment from agricultural, urban and natural landscapes.

The aim of this Special Issue is to provide an adequate collection of recent articles (both basic and applied research) that contributes to our understanding of the effects of environmental changes on soil microbial communities.

Guest Editor

Prof. Dr. Acacio Aparecido Navarrete
Graduate Program in Environmental Sciences, Universidade Brasil, Estrada Projetada F1, Fernandópolis 15613-899, SP, Brazil

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/171621

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