



## Soil Microbiome and Ecological Biogeochemical Cycles

Guest Editors:

**Dr. Giorgia Santini**

Department of Biology, University  
of Naples Federico II, 80126  
Naples, Italy

**Dr. Lucia Santorufo**

Department of Biology, University  
of Naples Federico II, 80126  
Naples, Italy

### Message from the Guest Editors

Soil microorganisms shape the cycles of life and death. To date, molecular biology techniques have brought us closer to discovering which microorganisms live in soil and play a key role in the soil ecosystem. All the microorganisms in the soil microbial community contribute to the health of the ecosystem, but there is limited scientific knowledge about the species that affect biogeochemical cycles and could be used as bioindicators. This Special Issue aims to explore the functional role of soil microorganisms in the biogeochemical cycles on which theoretical ecology is based.

Deadline for manuscript  
submissions:

**31 October 2024**





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Nico Jehmlich

Department of Molecular  
Systems Biology, UFZ-Helmholtz  
Centre for Environmental  
Research, 04318 Leipzig,  
Germany

## 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.

## 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), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology*)

## Contact Us

---

*Microorganisms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/microorganisms  
microorganisms@mdpi.com  
X@Micro\_MDPI