



Unveiling the Multiple Aspects of Microbial Ecology

Guest Editors:

Prof. Dr. Eugenia Bezirtzoglou

Laboratory of Hygiene and Environmental Protection, Department of Medicine, Democritus University of Thrace, 68100 Alexandroupolis, Greece

Dr. Christina Tsigalou

Laboratory of Microbiology, Department of Medicine, Democritus University of Thrace, 68100 Alexandroupolis, Greece

Dr. Yiannis Kourkoutas

Laboratory of Applied Microbiology & Biotechnology, Department of Molecular Biology & Genetics, Democritus University of Thrace, 68100 Alexandroupolis, Greece

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

This Special Issue will collate the latest research on microbiomes, shedding light on their roles and functions in humans, animals, food and the environment. The balance of the microbial ecosystem is of utmost importance to the sustainable maintenance of microbial life. Yet, microbial ecosystems are highly dependent on human activities, environmental factors, stress, phytochemicals and antibiotics. By being in close proximity and interacting, microbes form an ecosystem that stabilizes and becomes resistant to changes in environmental living conditions. The composition of the microbial community and host immune status contribute to their stability. In recent years, studies have highlighted the importance of normal microflora that can protect against infection and the collateral damage of antibiotics.

Important research of both human, animal, food and environmental ecosystems, the conditions affecting them, and how these ecosystems affect health status will also be presented.

Lastly, the awareness of the relationship between the environment, food and health must be continuous throughout the development of permanent surveillance systems and policy strategies.





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