Special Issue

Microbial Communities in Aquifer Ecosystems

Message from the Guest Editor

Aquifers are major ecosystems in the terrestrial subsurface, harboring a vast diversity and abundance of microbial communities. These habitats function as open systems, with water flowing from the surface to the subsurface and eventually reaching the surface once more. The water flowing in these environments brings microbes and nutrients to the subsurface, fueling this ecosystem in various ways. Although the advent of high-throughput sequencing has developed the study of diversity, community structure, and function of these communities, it remains unclear what drives community assembly, which organisms constitute these communities (from all three domains of life, i.e., Archaea, Bacteria and Eukaryotes), or the impact of surface communities and environments on subsurface aquifer habitats. Therefore, this special issue invites you to send contributions pertaining to any aspect of microbial community studies in aquifer ecosystems, pristine or contaminated, shallow or deep, using molecular biology based genomic, and -omic, studies, as well as culture-based studies in microbiology, environmental microbiology, and microbial ecology.

Guest Editor

Dr. Cassandre Lazar

Department of Biological Sciences, University of Quebec at Montreal, C.P. 8888, Succ. Centre-Ville, Montréal, QC H3C 3P8, Canada

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

mdpi.com/journal/microorganisms

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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

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