

Special Issue

Halophiles

Message from the Guest Editor

Halophiles are microorganisms that have adapted to living in hypersaline environments and other saline products. Most of them belong to the domains of bacteria and archaea, and they are of great importance based on both their adaptation mechanisms to extreme conditions and their potential biotechnological applications. In recent years, the isolation and taxonomic characterization of halophiles have allowed us to learn more about their heterogeneity, their metabolic and physiological diversity, and their ecological distribution and biodiversity. Culture-independent techniques, such as metagenomics and -omics studies, represent key future approaches to the study of halophiles, as there are still many areas to explore within this field. For this Special Issue of *Microorganisms*, we invite the submission of potential contributions concerning the biology, taxonomy, biodiversity, and biotechnological applications of halophilic microorganisms, as well as the use of genomic and metagenomic approaches to study microbial communities.

Guest Editor

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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.

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