Special Issue

Diversity of Extremophiles in Hydrothermal Environments

Message from the Guest Editors

Extremophiles are microorganisms (mostly prokaryotes) that possess unique features enabling them to cope with extreme environmental conditions.

Metagenomics has revealed that many extremophiles inhabiting hydrothermal systems belong to new bacterial or archaeal candidate phyla whose metabolism and lifestyle remain mostly unknown.

Since their discovery, research on extremophiles gain strength due to interest in their physiology and adaptation to hostile environments and their biotechnological potentials and even to identify model systems for life on other planets (astrobiology).

In this Special Issue of Microorganisms, dedicated to "Diversity of Extremophiles in Hydrothermal Environments", we invite you to submit your contributions concerning any aspects related to extremophilic bacteria or archaea in hydrothermal systems: from the ecology of their habitats and contribution to biogeochemical cycling to the physiology of novel species, and from fundamental issues to applied aspects.

Co-

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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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