



Diversity of Extremophiles in Hydrothermal Environments

Guest Editors:

Prof. Dr. Gaël Erauso

Institut Méditerranéen
d'Océanologie (M.I.O), Aix-
Marseille Université, CNRS/IRD,
UMR7294 Marseille, France

Dr. Karine Alain

CNRS, Laboratoire de
Microbiologie des
Environnements Extrêmes,
UMR6197 CNRS/UBO/Ifremer,
IUEM, Plouzané, France

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Gaël Erauso

Guest Editor

Dr. Karine Alain

Co-Guest Editor





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