



## Genomics of Extremophiles and Archaea

Guest Editors:

**Prof. Dr. Shiladitya DasSarma**

Department of Microbiology and Immunology, Institute of Marine and Environmental Technology, University of Maryland School of Medicine, Baltimore, MD 21202, USA

**Dr. Sean P. Kennedy**

Institut Pasteur, Université Paris Cité, Département de biologie computationnelle, F-75015 Paris, France

Deadline for manuscript submissions:

**closed (15 February 2024)**

### Message from the Guest Editors

The number of sequenced extremophiles and archaea has significantly increased over the decades, driven by increasingly powerful sequencing and analysis methods. The resulting millions of genes and predicted proteins provide a potent resource for the advancement of both science and technology. Advanced technologies and bioinformatics are providing insights into their structure and function, evolution, epigenetic characteristics and regulatory networks.

This Special Issue on extremophiles and archaea aims to spotlight studies that incorporate a combination of genomic, metagenomic, post-genomic, bioinformatic and experimental analyses. Reports on genomes from recently isolated novel species, including their analysis and utilization, are especially encouraged, as they provide insights into extreme environments, and biotechnological and/or biomedical applications.

As the Guest Editors of the Special Issue, it is our pleasure to invite you to submit your cutting-edge, interdisciplinary research articles and reviews related to extremophilic and archaeal genomics.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Dr. Nico Jehmlich**

Department of Molecular  
Toxicology, 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 - Q1 (Microbiology (medical))

## Contact Us

*Microorganisms* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/microorganisms](http://mdpi.com/journal/microorganisms)  
[microorganisms@mdpi.com](mailto:microorganisms@mdpi.com)  
X@Micro\_MDPI