# Special Issue

# Microorganisms and Wildlife Conservation in the Face of Climate Change

## Message from the Guest Editor

Climate change is one of the greatest threats to biodiversity. In particular, global warming is detrimentally impacting ecosystems worldwide and has contributed to substantial population declines in several keystone species. Microorganisms are the most evolutionarily and functionally diverse organisms in the biosphere and have unparalleled importance for the health of our planet through their intricate associations with metazoan hosts. Environmental stress related to climate change increases the global burden of disease by facilitating the emergence of novel pathogens and alters microbial relationships with hosts, often from a mutualistic to a pathogenic state. However, microorganisms can be used as sentinels of organism or ecosystem function during extreme environmental stress and can be used as tools for remediation and restoration. For this Special Issue, we invite you to send contributions related to the intersection of host–microbe interactions and conservation science in the face of continued climate change.

## Guest Editor

Dr. Amanda Shore
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## Deadline for manuscript submissions

closed (31 August 2021)

**Microorganisms**

**an Open Access Journal by MDPI**

**Impact Factor 4.2**
**CiteScore 7.7**
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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
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JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

**Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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