

## Call for Papers: Thematic Issue on Polar and Alpine Microbiology

**Editors: Dirk Wagner, Liane G. Benning, Catherine Larose, Nina Gunde-Cimerman and Max M. Häggblom**

FEMS Microbiology Ecology invites submissions to a special thematic issue on Polar and Alpine Microbiology. This issue will focus on the roles of microorganisms in polar and alpine ecosystems and continue on the successful series of thematic issues published in FEMS Microbiology Ecology.

<https://academic.oup.com/femsec/pages/polar-and-alpine-microbiology>

[https://academic.oup.com/femsec/pages/polar and alpine microbiology 2018](https://academic.oup.com/femsec/pages/polar-and-alpine-microbiology-2018)

[https://academic.oup.com/femsec/pages/polar and alpine microbiology 2016](https://academic.oup.com/femsec/pages/polar-and-alpine-microbiology-2016)

Microorganisms, representing all domains of life, have successfully colonized Earth's cold habitats. This thematic issue will focus on the microbial ecology of the cryobiosphere. Knowledge of biodiversity and functional roles of microorganisms inhabiting these cold environments is essential to our understanding of ecosystem processes in a changing climate. Topics of interest include: Microbial diversity and biogeography in the cryobiosphere, Metabolic activity at subzero temperature, Mechanisms of microbial adaptation and survival in polar environments, Permafrost astrobiology, Plant-microbe interactions, Microbial communities and global change, Biogeochemical cycling, Microbial gene pools of cold environments, Viruses in polar and alpine environments, and Biotechnology of cryospheric microorganisms.

The thematic issue is prepared in connection with the 9<sup>th</sup> International Conference on Polar and Alpine Microbiology held in Potsdam, Germany on 9-14 October, 2022.

For more information on the conference visit <https://events.gfz-potsdam.de/pam2022>

FEMS Microbiology Ecology will consider full length Research Papers or Mini-reviews/Perspectives. There is no maximum length for papers, but the length should be justified by the content. All submitted papers should be complete and adequately supported by original experimental work leading to significant advances in our understanding of polar and alpine ecosystems; they should not be preliminary versions of communications to be published elsewhere. All manuscripts will undergo regular review by members of the Editorial Board and other appropriate experts. Pre-submission inquiries may be directed to Dirk Wagner, Liane G. Benning or Max Häggblom.

Authors should specify "Polar and Alpine Microbiology" in their cover letter. For instructions on submitting a manuscript please see the FEMS Microbiology Ecology journal page: <https://academic.oup.com/femsec>

Accepted manuscripts will be published in regular issues of the journal and the Thematic Issue will be compiled and made available online in 2023.

Editor contacts: Dirk Wagner, German Research Centre for Geosciences, [dirk.wagner@gfz-potsdam.de](mailto:dirk.wagner@gfz-potsdam.de)  
Liane G. Benning, German Research Centre for Geosciences, [benning@gfz-potsdam.de](mailto:benning@gfz-potsdam.de)  
Catherine Larose, University of Lyon, [catherine.larose@ec-lyon.fr](mailto:catherine.larose@ec-lyon.fr)  
Nina Gunde-Cimerman, University of Ljubljana, [nina.gunde-cimerman@bf.uni-lj.si](mailto:nina.gunde-cimerman@bf.uni-lj.si)  
Max Häggblom, Rutgers University, [haggblom@rutgers.edu](mailto:haggblom@rutgers.edu)

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