

## Special Issue

# Nitrogen Cycling in Permafrost Soils

### Message from the Guest Editors

This Special Issue aims to advance our current understanding of nitrogen cycling and carbon–nitrogen interactions in permafrost soils. The Special Issue will include original articles, case studies, and critical review papers covering the following topics:

- Nitrogen pools and fractions in permafrost soils;
- Mineralization, nitrification and denitrification rates in permafrost soils;
- Microbes and soil fauna involved in nitrogen cycling processes of permafrost soils;
- Inputs of nitrogen (e.g. deposition, N load from animals, fertilization, N<sub>2</sub> fixation) into permafrost soils;
- Nitrogen uptake by Arctic, Antarctic, and alpine plants and interactions of carbon and nitrogen on primary productivity;
- Nitrogen loss pathways to the atmosphere and aquatic ecosystems (e.g., N leaching, fire, gaseous losses);
- Novel modelling and experimental approaches to investigate nitrogen cycling in permafrost soils;
- Future predictions on permafrost nitrogen climate feedbacks.

It is our pleasure to invite you to submit a manuscript to this Special Issue.

### Guest Editors

Prof. Dr. Benjamin Abbott

Dr. Christina Biasi

Prof. Dr. Pertti Martikainen

### Deadline for manuscript submissions

closed (31 October 2024)



## Nitrogen

an Open Access Journal  
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Impact Factor 2.3  
CiteScore 2.8



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*Nitrogen*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[nitrogen@mdpi.com](mailto:nitrogen@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Nitrogen*, the element that is intimately associated with essentially all processes on Earth, is the broad focus of a new online, open access journal. The intention of this publication is to offer a venue for research papers, reviews, short notes, and communications that have as a nexus this critical element.

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### Editor-in-Chief

Prof. Dr. Stephen Macko

Department of Environmental Sciences, University of Virginia,  
Charlottesville, VA 22903, USA

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### Author Benefits

#### High Visibility:

indexed within ESCI (Web of Science), Scopus, CAPus / SciFinder, and other databases.

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.7 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

#### Journal Rank:

CiteScore - Q2 (Agricultural and Biological Sciences (miscellaneous))