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Nitrogen Cycling in Permafrost Soils

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Deadline for manuscript submissions: **31 October 2024**



Message from the Guest Editors

Dear Colleagues,

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, N₂ 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.







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Editor-in-Chief

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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.

Author Benefits

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Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.3 days after submission; acceptance to publication is undertaken in 4.7 days (median values for papers published in this journal in the first half of 2024).

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