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Nitrogen Cycling in Permafrost Soils

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



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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 14.5 days after submission; acceptance to publication is undertaken in 3.2 days (median values for papers published in this journal in the second half of 2023).

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