Special Issue

Soil Nitrogen Cycling—a Keystone in Ecological Sustainability

Message from the Guest Editors

Nitrogen, a fundamental building block of life, is a critical element for all living organisms. In the context of ecosystems, particularly agricultural and natural ecological systems, the cycling of nitrogen is a complex yet indispensable process. It involves the transformation and movement of nitrogen among soil, plants, microorganisms and the atmosphere. The proper management of soil nitrogen cycling not only enhances crop growth and yield, but also plays a significant role in reducing environmental pollution, particularly in mitigating greenhouse gas emissions and combating global warming. We are looking for submissions covering a range of topics, including, but not limited to:

- Biogeochemical processes of soil nitrogen cycling;
- The role of nitrogen cycling in agricultural ecosystems;
- Impacts of nitrogen management strategies on ecosystems and crop yields;
- Interactions between nitrogen cycling and global changes such as climate change and land use change;
- Innovative methodologies and technologies in the study of nitrogen cycling.

This Special Issue aims to offer a platform for sharing innovative research in the Soil Nitrogen Cycling field.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Stephen Macko
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Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, CAPlus / 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))