



Soil Nitrogen Cycling—a Keystone in Ecological Sustainability

Guest Editors:

Dr. Ji Liu

Dr. Hanqing Wu

Dr. Cong Wang

Dr. Peng Wu

Deadline for manuscript
submissions:

31 July 2025

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:

1. Biogeochemical processes of soil nitrogen cycling;
2. The role of nitrogen cycling in agricultural ecosystems;
3. Impacts of nitrogen management strategies on ecosystems and crop yields;
4. Interactions between nitrogen cycling and global changes such as climate change and land use change;
5. 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.





nitrogen



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Stephen Macko

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

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

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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 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).

Contact Us

Nitrogen Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nitrogen
nitrogen@mdpi.com
[X@Nitrogen_MDPI](#)