

Special Issue

Nitrogen–Carbon Interactions in Global Biogeochemistry

Message from the Guest Editors

The coupled cycles of nitrogen (N) and carbon (C) are the fundamental backbone of Earth's biogeochemistry, governing ecosystem structure and global climate. These interactions are critical yet complex. Moderate N levels enhance (CO₂) absorption and C input to soil; however, excessive N inputs can lead to soil acidification, biodiversity loss, and greenhouse gas emissions, weakening long-term C storage. Understanding these delicate N–C interactions is paramount for predicting climate change and developing sustainable environmental policies. This Special Issue in *Nitrogen* explores recent advances in how N–C interactions influence biogeochemical cycles—particularly carbon sequestration—in ecosystems (croplands, forests, grasslands, wetlands)

Guest Editors

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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

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Author Benefits

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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 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).

Journal Rank:

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