

Special Issue

Biological Nitrogen Removal in the Multi-Omics Era: Coupling Anammox with Microbial-Mineral Synergy

Message from the Guest Editors

We welcome submissions addressing (but not limited to) the following research areas:

- Mechanistic exploration of microbial nitrogen transformation;
- Applications of autotrophic nitrogen removal and anammox processes;
- Engineering optimization of aerobic granular sludge systems;
- Discovery of novel nitrogen-cycling microbial resources;
- Multi-omics analysis of nitrogen metabolism processes;
- Microbial-mineral interactions in nitrogen removal;
- Bioengineering strategies for system optimization;
- Practical applications and control strategies in wastewater treatment engineering;
- Detection, removal, and water quality assurance technologies for emerging pollutants.

Submit your paper here:

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Guest Editors

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Deadline for manuscript submissions

closed (10 May 2026)



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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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