

Special Issue

Soil Nitrogen Cycle: Environmental Threats and Pathways to Sustainable Agriculture

Message from the Guest Editors

The availability of nitrogen in agricultural soils is a key limiting factor for crop productivity. Consequently, intensive agriculture has become heavily reliant on nitrogen-based fertilizers to maximize yields. Over recent decades, the use of these fertilizers has risen dramatically. However, not all of the applied nitrogen is absorbed by crops, and a significant portion is lost to the environment as reactive nitrogen. This loss has profound environmental consequences, affecting both human health and ecosystem integrity. This Special Issue aims to highlight strategies that guide agriculture toward sustainability while maintaining adequate production levels and reducing the release of reactive nitrogen into the environment. This Special Issue, entitled 'Soil Nitrogen Cycle: Environmental Threats and Pathways to Sustainable Agriculture', welcomes a broad range of methodologies, from field studies to controlled experiments, and invites submissions in all article formats, including original research, reviews, and opinion pieces.

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Deadline for manuscript submissions

closed (25 June 2025)



Agriculture

an Open Access Journal
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Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/226872

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

Editor-in-Chief

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