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Research in Nitrogen Footprint

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Message from the Guest Editors

Nitrogen (N) is essential for life, yet its use and management have profound environmental implications. Human-induced changes to the nitrogen cycle have escalated from minimal alterations in the mid-19th century to widespread transformations today, with far-reaching consequences for human and environmental health. The nitrogen footprint has emerged as a crucial environmental indicator, quantifying both direct and indirect reactive N emissions throughout the life cycle of products and activities.

This Special Issue, “Research in Nitrogen Footprint”, aims to consolidate your new works from all relevant sectors. We welcome contributions on topics including, but not limited to:

The assessment of N footprints at various scales; The assessment of N footprints for specific products or activities; Methods and models for calculating N footprints; N use efficiency and management practices to reduce N footprints; Innovative technologies for monitoring and reducing N emissions; Policy implications and strategies for reducing N footprints across sectors; The synergistic reduction effects of nitrogen and carbon.



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Special Issue



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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.

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