

Special Issue

Nitrogen Management and Water-Nitrogen Interactions in Agriculture

Message from the Guest Editor

Water and nitrogen are probably the main external resources that most contribute to crop development and yield and whose best use defines the profitability and sustainability of many irrigated agricultural systems. In irrigated agriculture, nitrogen fertilizer management practices, i.e., the forms used, the time and place of application, as well as the amounts applied, are greatly influenced by the irrigation management practices, i.e., type of irrigation, irrigation design, irrigation frequency and irrigation rates. In this Special Issue of the journal *Nitrogen*, we want to highlight the relevance of the joint management of water and nitrogen, how both factors can affect each other, and how necessary it is to integrate or consider both factors to discuss the sustainability of the agricultural system. Therefore, all those works that integrate both practices (irrigation and fertilization) for greater efficiency in the use of water and/or nitrogen will be welcome.

Guest Editor

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Deadline for manuscript submissions

closed (31 May 2024)



Nitrogen

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Impact Factor 2.3
CiteScore 2.8



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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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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 19.7 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

Journal Rank:

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