

Special Issue

Nitrogen Signaling in Plants

Message from the Guest Editor

Nitrogen is a vital component for plant growth and crop production and the subject of numerous studies. The importance of signaling events in plants mediated by nitrogen compounds (ammonium, nitrate, nitrite, etc.) and reactive nitrogen species (RNS, mainly nitric oxide (NO)) was discovered in the late 1980s and is highly recognized today. In spite of the growing body of evidence accumulated so far, we still lack knowledge regarding how nitrogen compounds are sensed and interact with other molecules in order to modulate plant metabolism, shape, architecture, growth, adaptation to stresses, etc. at the different cell types, tissues, and organs of the plants. The upcoming Special Issue of Nitrogen entitled "Nitrogen Signaling in Plants" is open to different types of contributions (original research manuscripts, reviews, short communications, methods, bioinformatic analyses, etc.) helping to review, clarify, and particularly expand our current knowledge around the topic. Welcome to read our published paper "The Role of Threonine Deaminase/Dehydratase in Winter Dormancy in Sweet Cherry Buds".

Guest Editor

Dr. Juan de Dios Alché Ramírez

Department of Plant Stress, Development and Signaling, Estación Experimental del Zaidín, Profesor Albareda 1, E-18008 Granada, Spain

Deadline for manuscript submissions

closed (31 May 2024)



Nitrogen

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 2.8



mdpi.com/si/124029

Nitrogen
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nitrogen@mdpi.com

[mdpi.com/journal/
nitrogen](https://mdpi.com/journal/nitrogen)





Nitrogen

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 2.8



[mdpi.com/journal/
nitrogen](https://mdpi.com/journal/nitrogen)



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

Prof. Dr. Stephen Macko

Department of Environmental Sciences, University of Virginia,
Charlottesville, VA 22903, USA

Author Benefits

High Visibility:

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:

CiteScore - Q2 (Agricultural and Biological Sciences (miscellaneous))