



nitrogen



an Open Access Journal by MDPI

Nitrogen Signaling in Plants

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)

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".



mdpi.com/si/124029

Special issue



nitrogen



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Stephen Macko

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [ESCI \(Web of Science\)](#), [Scopus](#), [CAPlus / SciFinder](#), and [other databases](#).

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.3 days after submission; acceptance to publication is undertaken in 4.7 days (median values for papers published in this journal in the first half of 2024).

Contact Us

Nitrogen Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/nitrogen
nitrogen@mdpi.com
[X@Nitrogen_MDPI](https://twitter.com/Nitrogen_MDPI)