

Special Issue

Development of Tools for Diagnosing and Counteracting Ammonium Toxicity in Model and Crop Plants

Message from the Guest Editors

For this *Special Issue*, we seek publications on recent advances in the development of tools to diagnose ammonium toxicity and counteract its negative impact on plant productivity in model and crop species in addition to critical overviews that emphasize future agronomic applications and breeding. Topics covered in these articles can include the identification of new physiological and metabolic indicators (primary or secondary N metabolism), new tools (application of biostimulants, metabolic modulators), technologies, and agricultural practices for determining and/or counteracting ammonium toxicity in crops along with their development and application in different agricultural systems (from the laboratory to the field or in soil-less culture systems).

Guest Editors

Dr. Teresa Fuertes-Mendizábal
Dr. Bertrand Hirel
Dr. Idoia Ariz

Deadline for manuscript submissions

closed (31 January 2022)



Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



mdpi.com/si/77943

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

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





Agronomy

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.7



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



About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research,
Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)