

IMPACT FACTOR 3.7



an Open Access Journal by MDPI

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

Guest Editors:

Dr. Teresa Fuertes-Mendizábal

Department Plant Biology and Ecology, Science and Technology Faculty, University of the Basque Country UPV/EHU, Barrio Sarriena s/n, 48940 Leioa, Bizkaia, Spain

Prof. Dr. Bertrand Hirel

Departement Adaptation des Plantes a l'Environnement, CNRS, Institut Jean-Pierre Bourgin, INRAE, CEDEX, 78026 Versailles, France

Dr. Idoia Ariz

Institute for Multidisciplinary Applied Biology (IMAB), Campus Arrosadia s/n, Public University of Navarra, 31006 Pamplona, Navarra, Spain **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).

Deadline for manuscript submissions:

closed (31 January 2022)



Specialsue







an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Peter Langridge

School of Agriculture, Food and Wine, University of Adelaide, Urrbrae, SA 5064, Australia

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

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), PubAg, AGRIS, and other databases.

Journal Rank: JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

Contact Us