

Special Issue

Strategies to Enhance Nutrient Use Efficiency and Crop Nutrition

Message from the Guest Editors

Global agriculture is under mounting pressure, a key challenge concerns the inefficient use of nutrients, particularly nitrogen and phosphorus. The loss of these nutrients to the environment contributes to greenhouse gas emissions, water contamination, and soil degradation. Improving nutrient use efficiency (NUE) is therefore a critical objective in crop science and sustainable agriculture.

This Special Issue focus on enhancing NUE and optimizing crop nutrition across diverse agricultural systems. We welcome contributions in fields such as soil fertility, plant nutrition, plant physiology, agronomy, biotechnology, and isotopic techniques, particularly those that integrate these disciplines in novel ways. We encourage submissions that explore physiological, biochemical, molecular, and management-based strategies to improve nutrient uptake, translocation, assimilation, and remobilization. Topics of interest include integrated nutrient management, biofertilizers and bioinputs, nanotechnology applications, and sustainable intensification practices.

Original research articles, review papers, and short communications are all welcome.

Guest Editors

Prof. Dr. Elcio Ferreira Dos Santos

Dr. Flávio Henrique Silveira Rabêlo

Dr. José Lavres Junior

Deadline for manuscript submissions

15 October 2025



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/238239

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

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





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



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



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, 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), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)