

## Special Issue

# Strategies for Nutrient Use Efficiency Improvement in Plants—2nd Edition

### Message from the Guest Editor

Nutrient elements are essential for plant growth and development. However, they are also the limiting factors for grain yield and quality in crops. Therefore, understanding how plants respond to environmental nutrient levels to identify appropriate approaches and strategies to promote root uptake, root-to-shoot translocation, and the distribution of nutrients in plants—ultimately, to improve nutrient use efficiency—is quite meaningful for crop yield and quality. In this Special Issue, we welcome articles including original research papers, perspectives, opinions, and reviews that focus on approaches and strategies for nutrient use efficiency improvement in plants. These approaches and strategies may include fertilizer management, the selection and breeding of high nutrient-use-efficient species and varieties, crop system change, as well as analyses of the physiological and molecular responses of plants to low and high nutrient conditions, the gene functions involved in nutrient uptake, translocation, and distribution in plants, and so on.

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### Guest Editor

Dr. Hongmei Cai

College of Resources and Environment, Huazhong Agricultural University, Wuhan 430070, China

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### Deadline for manuscript submissions

31 May 2026



## Plants

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*Plants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

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### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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### Editor-in-Chief

Prof. Dr. Dilantha Fernando  
Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

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