



## **Molecular Mechanism of Mineral Nutrient Transport and Regulation in Crops**

Guest Editor:

**Prof. Dr. Luqing Zheng**

College of Life Sciences, Nanjing  
Agricultural University, Nanjing  
210095, China

Deadline for manuscript  
submissions:

**closed (30 October 2023)**

### **Message from the Guest Editor**

Dear Colleagues,

Mineral nutrition is important for plant sustainable growth and yield. Crop production on more than half of the world's soil is mineral nutrient limited, therefore, high efficient uptake and transport system for essential elements is critical for the formation of crop production and quality of the products. This Special Issue, entitled Molecular mechanism of mineral nutrient transport and regulation in crops, invites researchers to contribute original research or updated review articles that are focused on the mineral nutrient transport and regulation in crop plants. The scope of the Special Issue is not limited to the transport and regulation of the essential elements such as P and Fe, studies concerning transport of beneficial elements (Si, Na) and toxic elements (Cd, As) in crops are also welcome. Since IJMS is a journal of molecular science, pure field and physiological studies are not suitable for our journal. However, field and physiological study submissions with biomolecular experiments are welcome.

Prof. Dr. Luqing Zheng  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. José L. Quiles

Department of Physiology,  
Institute of Nutrition and Food  
Technology “Jose Mataix”,  
Biomedical Research Center,  
University of Granada, Avda.  
Conocimiento s/n, 18100 Armilla,  
Granada, Spain

## Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

## 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), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

## Contact Us

---

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI