# **Special Issue**

# Hormone Metabolism and Signaling in Rice

### Message from the Guest Editor

Rice, one of the paramount cereal crops globally, undergoes meticulous regulation of phytohormones throughout its growth and developmental stages. A comprehensive investigation into phytohormone metabolism and signal transduction networks in rice is instrumental in elucidating rice growth, augmenting yield, and bolstering stress resilience. In recent years, remarkable strides have been made in the realm of phytohormone metabolism in rice, propelled by advances in molecular biology, biochemistry, and bioinformatics methodologies. Researchers have unveiled the synthesis, degradation, transport, and signal transduction pathways of diverse phytohormones in rice, while also exploring the intricate interplay among different hormone species. Simultaneously, artificially synthesized growth regulators are extensively utilized to modulate crop growth, enhance yield, and ameliorate quality. In this Special Issue, we aim to exchange knowledge on any aspect related to rice hormone metabolism and signal transduction, aiming to achieve precise control over rice growth and development processes, and enhance rice resistance to adversity.

#### Guest Editor

Prof. Dr. Chengqiang Ding Department of Agronomy, College of Agriculture, Nanjing Agricultural University, Nanjing 210095, China

#### Deadline for manuscript submissions

closed (30 September 2024)



## Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 6.7



mdpi.com/si/198684

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

#### mdpi.com/journal/

agronomy





an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 6.7



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), PubAg, AGRIS, and other databases.

### Journal Rank:

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