Special Issue

Research on Synergistic Regulation of Plant Growth by Plant Hormones and Nutrients

Message from the Guest Editors

The intricate regulatory mechanisms of plant hormones and nutrients are fundamental to understanding plant growth and development. This topic has a rich history, dating back to early studies on plant physiology, and has seen significant advancements with modern molecular biology and genetic techniques. The aim of this Special Issue is to consolidate cutting-edge research that explores how plant hormones and nutrients interact at molecular, cellular, and physiological levels to influence plant development. We seek to highlight innovative studies that unravel the complex signaling networks and regulatory pathways involved. This Special Issue invites original research articles, reviews, and short communications that delve into the latest discoveries and technological advancements in this field. We particularly welcome papers that provide new insights into hormone-nutrient interactions, their regulatory networks, and their implications for plant resilience and productivity in changing environments.

Guest Editors

Dr. Alfonso Albacete

Institute for Agri-Food Research and Development of Murcia (IMIDA), Department of Plant Production and Agrotechnology, C/ Mayor s/n, La Alberca, E-30150 Murcia, Spain

Dr. Mengmeng Hou

Shenzhen Branch, Guangdong Laboratory of Lingnan Modern Agriculture, Genome Analysis Laboratory of the Ministry of Agriculture and Rural Affairs, Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences, Shenzhen, China.

Deadline for manuscript submissions

28 February 2025



Agronomy

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 6.2



mdpi.com/si/207973

Agronomy 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 3.3 CiteScore 6.2



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 (Plant Sciences) / CiteScore - Q1 (Agronomy and Crop Science)