



## Genetic Regulation of Plant Growth and Protection

Guest Editors:

**Dr. Yuxuan Hou**

State Key Laboratory of Rice  
Biology and Breeding, China  
National Rice Research Institute,  
Hangzhou 311400, China

**Dr. Zhiyong Li**

State Key Laboratory of Rice  
Biology and Breeding, China  
National Rice Research Institute,  
Hangzhou 311400, China

Deadline for manuscript  
submissions:

**closed (30 March 2025)**

### Message from the Guest Editors

The growth and development of plants are under strict genetic regulation. Although also influenced by a wide range of abiotic and biotic stresses, plants have evolved complex defense mechanisms. In recent decades, significant progresses have been made in research on the genetic regulation of plant growth and protection, depending on the rapid development of plant genomics and genetics, as well as the modern biotechnologies.

As the Guest Editors of this Special Issue of IJMS, “Genetic Regulation of Plant Growth and Protection”, We aim to cover the latest fundamental discoveries in the field of genetic regulatory mechanism in plant growth and response to various stresses. All types of submissions, including original research, reviews, methodologies, mini reviews, perspectives, and opinion articles in this field are welcome to contribute to this issue.





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