

Special Issue

Plant Molecular Breeding and Resistance: Phenomics, Genomics and Gene Editing

Message from the Guest Editor

Plant phenomics has huge potential to be applied to plant physiology and plant genetics by describing traits in plants or cells. However, it has been focused on high-throughput phenotyping on a large scale, while individual plants and cell units are neglected. This Special Issue of the International Journal of Molecular Sciences seeks to encourage research in phenotyping at plant and cell levels using various sensors or analysis methods.

Of course, it is difficult to define and capture traits at individual plant level and, especially, cell level due to various reasons. Thus, any topic or technology phenotype of individual plants and cells will be considered for publication as long as it is related to the individual or cell level using any kind of technologies in the category of phenomics. Conceptualization or methods will also be considered for publication. This attempt will stimulate new challenges for phenotyping very small unit studies that will pave the way for future studies.

Guest Editor

Dr. Yong Suk Chung

Department of Plant Resources and Environment, Jeju National University, Jeju 63243, Republic of Korea

Deadline for manuscript submissions

closed (20 August 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/161988

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

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.

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

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)