

## Special Issue

# Power Up Plant Genetic Research with Genomic Data

### Message from the Guest Editors

Dear colleagues, With the advances in sequencing technology, the building of high-quality genomes and the sequencing of huge populations of plants are no longer technologically challenging, nor resource intensive. Epigenomics, transcriptomics, proteomics, metabolomics, and phenomics have also made significant advances in recently years, creating more opportunities in plant genomic research. Although the generation of genome sequencing data is no longer a limitation, there are a vast volume of genomic data deposited in public databases. Diving into the sea of genomic data to generate new knowledge has become the next challenge in the genomic era. Each plant genome is made up of hundreds of millions to trillions of bases, which each contain tens of thousands of genes and numerous non-coding elements. Currently, only a tiny fraction of the plant genome is being characterized, even in the model plant *Arabidopsis*. In this Special Issue, we would like to invite dedicated scientists to submit their recent research and review articles on plant genomics and genetics with the support of molecular biology and biotechnology.

---

### Guest Editors

Prof. Dr. Hon-Ming Lam

Dr. Sachiko Isobe

Dr. Man-Wah Li

---

### Deadline for manuscript submissions

closed (15 January 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/108654](https://mdpi.com/si/108654)

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