

Special Issue

Yield Traits and Their Genetic Pathway in Crop

Message from the Guest Editors

With the progress in gene discovery, genes previously unknown to which genetic network, especially in relation to nitrogen-use efficiency, can be cloned successively. The study to establish previously unidentified genetic pathways and any kind of cross-talks with well-known genetic pathways is essential in clarifying gene function and in exploring possible application prospects. All of the new knowledge regarding the gene cloning of yield traits and the study of their genetic pathways would broaden our horizons in relation to the molecular mechanisms of yield trait formation. This issue welcomes submissions of original research papers, reviews, including (but not limited to) research covering:

- Genetic research of traits related to yield, biotic and abiotic stress resistance;
- Cloning and function verification of important genes;
- Development and application of resources for enhancing crop production;
- Genomic-assisted breeding for yield improvement;
- Gene editing to enhance crop production and crop protection.

Guest Editors

Prof. Dr. Zhijun Cheng

Dr. Gustavo A. Slafer

Prof. Dr. Wujun Ma

Deadline for manuscript submissions

closed (31 July 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/90406

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

mdpi.com/journal/

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





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
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*, ISSN 1422-0067) 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, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *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. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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 (Inorganic Chemistry)