

Special Issue

The Biochemistry, Molecular and Cell Biology Beyond Flowers

Message from the Guest Editor

This Special Issue aims to highlight recent molecular advances in our understanding of the flower. We welcome all types of articles (original research, methods, opinions, and reviews) on the molecular mechanisms of the flower, including a diverse array of processes, from floral induction and development to pollination, fertilization, and seed formation. Studies may include, but are not limited to, the following: Floral Induction and Flower Development; Regulation of Floral Meristem Identity; Floral Organ Identity and Patterning; Pollination and Fertilization; Gametogenesis and Gamete Development; Pollen–Pistil Interactions; Seed Development and Embryogenesis; Integration of Signaling Pathways; Role of Noncoding RNAs; Genetic and Epigenetic Regulation; Gene regulatory Networks and Cellular Processes.

Guest Editor

Dr. Isabel Marques

Forest Research Centre, Associate Laboratory TERRA, School of Agriculture, University of Lisbon, 1349-017 Lisbon, Portugal

Deadline for manuscript submissions

20 February 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/202501

*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*, 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 (Organic Chemistry)