Special Issue

Postharvest Biology and Molecular Research of Fruits

Message from the Guest Editor

Postharvest storage technology is vital for retaining the high quality and flavor of fruits, and to avoid economic losses. Understanding the molecular mechanisms of fruits in response to postharvest ripening and senescence, chilling injury, browning, and pathogen infection is important for fruit-storage systems and extending the shelf life of fruits. The related studies provide a forum for discussing the molecular biology of postharvest fruits, and promote the development of postharvest biological technology. Thus, the current Special Issue, entitled 'Postharvest Biology and Molecular Research of Fruits', discusses the recent advances in the molecular mechanisms of fruits that are related to postharvest ripening and senescence, chilling injury, browning, and pathogen infection. Topics related to both original and reviewed articles are invited for submission.

Guest Editor

Prof. Dr. Xiangbin Xu

School of Food Science and Engineering, Hainan University, Haikou 570228, China

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/136052

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





International Journal of Molecular Sciences

an Open Access Journal by MDPI

Impact Factor 4.9 CiteScore 9.0 Indexed in PubMed





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)

