



## Formation, Regulation and Affecting Factors of Fruit Quality

Guest Editor:

**Prof. Dr. Wensuo Jia**

College of Horticulture, China  
Agricultural University, Beijing  
100193, China

Deadline for manuscript  
submissions:

**closed (28 March 2024)**

### Message from the Guest Editor

Dear Colleagues,

Fruits constitute an important part of human diet and fruit quality is a major concern for consumers. Formation of fruit quality is tightly coupled with fruit ripening, during which dramatic changes occur in a series of physiological and biochemical metabolisms, such as color, sugar, acid, aroma, cell wall, etc. These metabolic events are essential determined by key enzymes, which again transcriptionally or post-transcriptionally regulated by cellular signaling systems. Phytohormones and environmental factors act as internal and external cues, triggering cellular signaling systems whereby finally controlling fruit quality formation. In this Special Issue for *IJMS*, we will focus on molecular identification and characterization of the key enzymes implicated in fruit quality associated-metabolisms, transcription factors transcriptionally controlling the key enzymes, and particularly, the signaling systems determining fruit quality formation. Research papers, up-to-date review and perspective articles are all welcome.

Prof. Dr. Wensuo Jia

*Guest Editor*





an Open Access Journal by MDPI

## 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

## 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.

## 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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI