

## Special Issue

# Metabolic Changes during Pre- and Post-harvest Fruit and Vegetable Decay, Ripening and Senescence

### Message from the Guest Editors

The purpose of this Special Issue is to collect research and review articles focused on recent advancements in the main metabolic changes that occur during both the pre- and post-harvest stages of fruit and vegetables. The inclusion of applications involving pre- or post-harvest strategies, such as bio-stimulants or abiotic stresses (not exclusively), with the ultimate aim of prolonging postharvest life, reducing the incidence of pathogens or deterioration reactions, and enhancing or preserving valuable metabolites contributing to nutritional and sensorial quality is encouraged. This Special Issue will also cover advances in understanding the mechanisms of chilling injury and technologies to mitigate or delay its occurrence. Contributions related to recent biochemical aspects, changes and/or the regulation of metabolites and enzymes associated with microorganism incidence and product ripening/senescence are welcome. Finally, methodology development for detecting metabolites or changes in metabolic pathways are also welcome.

### Guest Editors

Dr. Analía Concellón

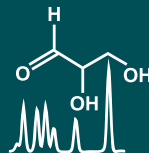
CONICET (Consejo Nacional de Investigaciones Científicas y Técnicas), Facultad de Ciencias Exactas, Universidad Nacional de La Plata, CIDCA (Centro de Investigación y Desarrollo en Ciencia y Tecnología de Alimentos), Calles 47 y 116, La Plata CP 1900, Buenos Aires, Argentina

Dr. María José Zaro

CONICET (Consejo Nacional de Investigaciones Científicas y Técnicas), Facultad de Ciencias Exactas, Universidad Nacional de La Plata, CIDCA (Centro de Investigación y Desarrollo en Ciencia y Tecnología de Alimentos), Calles 47 y 116, La Plata CP 1900, Buenos Aires, Argentina

### Deadline for manuscript submissions

closed (8 April 2025)



## Metabolites

an Open Access Journal  
by MDPI

Impact Factor 3.7  
CiteScore 6.9  
Indexed in PubMed



[mdpi.com/si/195959](https://mdpi.com/si/195959)

*Metabolites*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[metabolites@mdpi.com](mailto:metabolites@mdpi.com)

[mdpi.com/journal/  
metabolites](https://mdpi.com/journal/metabolites)





# Metabolites

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 6.9  
Indexed in PubMed



[mdpi.com/journal/  
metabolites](https://mdpi.com/journal/metabolites)



## About the Journal

### Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

---

### Editor-in-Chief

Dr. Amedeo Lonardo

Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Endocrinology, Diabetes and Metabolism)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).