



Trends in Fruit and Vegetable Chemistry, Nutrition and Post-harvest Technology

Guest Editors:

Dr. Callistus Bvenura

Department of Horticulture,
Faculty of Applied Sciences, Cape
Peninsula University of
Technology, Bellville 7535, South
Africa

Prof. Dr. Learnmore Kambizi

Department of Horticulture,
Faculty of Applied Sciences, Cape
Peninsula University of
Technology, Bellville 7535, South
Africa

Deadline for manuscript
submissions:

closed (20 March 2025)

Message from the Guest Editors

Dear Colleagues,

Wild fruits and vegetables have gained much attention over the past few decades due to their supposed rich nutritional and secondary metabolite profiles. Although fruits and vegetables are highly nutritious and can contribute to better health, the huge post-harvest losses and waste generated by their production are still a major cause for concern. Post-harvest losses (up to 50% of fruits and vegetables) during harvesting, handling, storage, processing, packaging, transportation, and marketing are the main cause of this loss. New perspectives and practical applications of post-harvest technologies to reduce food loss and waste as well as retain nutritional and phenolic compounds, bioavailability, and functional properties, are thus needed. This Special Issue will focus on novel perspectives on the nutritional compositions, essential oils, biological activity, bioavailability studies, and antibacterial activity of fruits and vegetables, both wild and domesticated.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)