

Special Issue

Preharvest and Postharvest Factors Influencing Biological Active Compounds in Horticultural Commodities

Message from the Guest Editor

Fruits and flowers are one of the most important sources of biologically active compounds in the human diet. During storage it is impossible to improve the quality of fruit or other horticultural products. However, many studies indicate that this rule does not apply to biologically active compounds. During storage, substances dissolved in cell juice are concentrated due to water loss. This may mean that, after removing the products from the cold store, they have a greater oxidation reduction potential than immediately after harvesting. The increase in the content of some compounds may be due to natural ripening processes. There are many compounds that are secondary metabolites. Poor storage conditions can also cause the content of these desirable compounds to decrease; however, the greatest influences on the accumulation of beneficial substances were factors of production. Weather conditions during vegetation, plant protection treatments, and other agrotechnical treatments will affect many chemical processes occurring in the plant. It is also not without significance that the harvest date, harvesting technique, and handling of the harvested crop are correctly determined.

Guest Editor

Prof. Dr. Grzegorz Lysiak

Department of Ornamental Plants, Dendrology and Pomology, Poznan University of Life Science, Ul. Dąbrowskiego 159, 60-594 Poznań, Poland

Deadline for manuscript submissions

closed (20 November 2023)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/174347

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

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





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



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



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)