Special Issue

The Impact of Environmental Factors on the Quality of Horticultural Commodities

Message from the Guest Editor

Just like other food products, horticultural products offered to consumers should be of good quality and, above all, safe to eat. Each step from the field to the table must be subject to procedures that ensure that relevant quality requirements are met. Fruit, vegetables, edible flowers, and other horticultural commodities must fulfill the highest quality standards, which fall into three areas: sensory quality, health-promoting properties and their availability, and the increasingly important symbolic quality. Aside from the growing method, pruning, pollination, protection, and fertilization, product quality is affected by environmental conditions, the most notable of which include all macro- and microclimatic elements and soil environment. Among these conditions is air temperature, which affects physiological processes. Similarly important are precipitation, sun radiation, and wind conditions. These factors play a significant role in shaping the quality of fruit intended for fresh consumption, processing, or therapeutic purposes as a source of bioactive compounds during the growth period.

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 (31 December 2024)

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 4.9

mdpi.com/si/197555

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

mdpi.com/journal/agriculture

Agriculture

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 4.9

mdpi.com/journal/agriculture

MDPI

About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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)