Special Issue

Analysis of Agricultural Food Physicochemical and Sensory Properties

Message from the Guest Editors

The physicochemical attributes of agricultural food products encompass a wide array of factors, including composition, structure and stability. Understanding these properties is essential for optimizing production processes, mitigating post-harvest losses and meeting regulatory standards. From the moisture content of fruits to the lipid profile of grains, each property contributes to the overall quality and safety of the end product. Through advanced analytical techniques. researchers can unravel the intricacies of these physicochemical properties, offering insights that guide both agricultural practices and food processing methodologies. This Special Issue focuses on research relating to the components of food, and their nutritional, physiological, sensory, flavor and microbiological aspects that affect the physicochemical and sensory properties of agricultural food. All types of articles, including original research, opinions and reviews, are welcome.

Guest Editors

Dr. Chang Shu

United States Department of Agriculture, Agricultural Research Service, Daniel K. Inouye U.S. Pacific Basin Agricultural Research Center, 64 Nowelo St., Hilo, HI 96720, USA

Dr. Xiuxiu Sun

United States Department of Agriculture, Agricultural Research Service, Daniel K. Inouye U.S. Pacific Basin Agricultural Research Center, 64 Nowelo St., Hilo, HI 96720, USA

Deadline for manuscript submissions

closed (15 February 2025)



Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



mdpi.com/si/193361

Agriculture
Editorial Office
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 3.6 CiteScore 6.3



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)

