Special Issue

Application of Chromatography and Spectroscopy in Agriculture

Message from the Guest Editors

In general, due to the complexity of food composition, the use of advanced analytical techniques covering chromatography and spectroscopy analyses is necessary to achieve the most appropriate results. In agriculture, applications of chromatography and spectroscopy are as varied as the studies involving molecular conformation, compound separation and quantification, as well as improved understanding of the metabolomic networks and the subsequent biochemical variability of plants and other biological organisms under induced and natural environment influence. Along with these advanced techniques, the use of multivariate statistical analysis is becoming increasingly necessary for an appropriate dataset evaluation and prediction of selected food characteristics based on agricultural practices. This Special Issue focuses on the development of innovative chromatography and spectroscopy methods for the most appropriate evaluation of the influence of different agricultural practices on food composition or characteristics (chemical, physical and physicochemical), which can be related to industrial and consumer interest.

Guest Editors

Prof. Dr. Elenilson de Godoy Alves Filho Department of Food Engineering, Federal University of Ceara, Fortaleza 60356-000, Brazil

Dr. Lorena Mara Alexandre e Silva LMQPN, Embrapa Agroindustria Tropical, Fortaleza 60511-110, Brazil

Deadline for manuscript submissions

closed (15 December 2023)



Agriculture

an Open Access Journal by MDPI

Impact Factor 3.6 CiteScore 6.3



mdpi.com/si/140891

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, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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)

