Special Issue

Instrument Analysis Applied in Food Science

Message from the Guest Editors

The food matrix is a complex mixture of carbohydrates, proteins, lipids, vitamins, antioxidants, aromas, pigments, minerals, water, and other metabolites. Instrumental analysis is essential for the accurate determination of components, residues, and contaminants in food products in order to ensure quality and safety requirements. In this Special Issue, we will publish innovative research and review papers on instrumental analytical techniques applied to the characterization of food composition, structure, physicochemical properties, and sensory attributes. Extraction methods (microextraction, supercritical fluid extraction, ultrasound-assisted, etc), spectroscopic techniques (ultraviolet-visible spectrophotometry, photoluminescence spectroscopy, Fourier transform infrared, near-infrared and Raman spectroscopy, etc), chromatography , mass spectrometry and hyphenated techniques, electroanalytical methods, capillary electrophoresis, thermal analysis, molecular techniques, textural and rheological analysis, microscopy, miniaturization, automation, and multivariate analysis are specifically welcome.

Guest Editors

Dr. Patrícia Rijo

Dr. Célia Faustino

Dr. Maria Rosário Bronze

Deadline for manuscript submissions

closed (30 March 2021)

Foods

About the Journal

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, Foods has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.5 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2024).