



foods



an Open Access Journal by MDPI

Development of Fluorescent and Infrared Spectroscopy Applications in Food Analysis: Second Edition

Guest Editors:

Prof. Dr. Ksenija Radotić

Institute for Multidisciplinary Research, University of Belgrade, Belgrade, Serbia

Dr. Maja Natic

Faculty of Chemistry, University of Belgrade, 11000 Belgrade, Serbia

Deadline for manuscript submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

Many analytical techniques currently used for food analysis are expensive and time-consuming and require sample preprocessing. As a result of significant technical advances in both instrumentation and data analysis tools in the past two decades, optical spectroscopy (infrared and fluorescent) methods have become increasingly important for a wide variety of analytical applications in biology and chemistry. Coupled with advanced mathematical/statistical tools, optical spectroscopy methods allow for rapid, accurate, and reliable qualitative and quantitative analyses of the composition and physicochemical properties of various kinds of food without sample preparation. The application of these techniques has expanded into many areas of food research and analytics as powerful, fast, and non-destructive tools for food quality analysis and control.

This Special Issue of Foods will focus on applications of optical spectroscopy methods (fluorescent, infrared) in food analysis. It will provide an overview of the current status of these methods in food analysis and future perspectives for their application.



mdpi.com/si/209209

Special Issue



foods



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [FSTA](#), [AGRIS](#), [PubAg](#), and [other databases](#).

Journal Rank: JCR - Q1 (Food Science and Technology) / CiteScore - Q1 (Health Professions (miscellaneous))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://www.instagram.com/Foods_MDPI)