Special Issue

Sensors and Biosensors Application for Food Industries

Message from the Guest Editors

Sensors are widely used in industrial processes mainly due to the wide range available on the market, their robustness, low costs for both purchase and maintenance and their small size. Many sensors are used as actuators in the production chain and for the control of product quality and compliance, often online, or at the end of production and during the marketing cycle. Such controls, especially as far as the verification of quality is concerned, require high accuracy, precision, selectivity and sensitivity, so that sensors often cannot compete with other analytical techniques. Accordingly, researcher in the sector have been putting a lot of efforts to improve these figures of merit; in particular, in the case of selectivity, the best strategy is coupling the device with a biological system to obtain biosensors. Based on these consideration, the present special issue welcomes contributions describing sensors and biosensors application for food industries, both in terms of methodological or instrumental developments and of application to specific food-related context.

Guest Editors

Dr. Maria Pia Sammartino
Department of Chemistry, Sapienza University of Rome, Rome, Italy

Prof. Dr. Federico Marini
Department of Chemistry, Sapienza University of Rome, 00185 Rome, Italy

Deadline for manuscript submissions

closed (31 January 2022)

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

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

Author Benefits

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))

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).