Special Issue

New Trends in Sample Preparation Techniques for the Analysis of Food Contaminants

Message from the Guest Editor

Dear Collegaues, Contamination of foods by undesirable compounds should be strictly controlled because of its possible effects on human and animal health and on global economy. However, food analysis is a great challenge for analysts due to the wide variety of foods, their very different compositions, and the different physicochemical characteristics of potential contaminants. Moreover, the most likely scenario is that several contaminants co-occur in the same food matrix. For these reasons, pre-treatment of food samples should generally be performed before carrying out the analysis. New sample preparation procedures are needed, as well as a revision of widely used processes in order to adapt them to the new characteristics of chromatographic analysis. These procedures should be reproducible, cost-effective and miniaturized, with diminished matrix effects, reduced use of organic solvents and minimal environmental impact. This Special Issue will comprise research articles and reviews related to these new trends in sample preparation for the determination of contaminants in food.

Guest Editor

Prof. Dr. Elena González-Peñas

Department of Pharmaceutical Technology and Chemistry, Universidad de Navarra, 31008 Pamplona, Spain

Deadline for manuscript submissions

closed (15 November 2021)

Foods

mdpi.com/si/32248

mdpi.com/journal/
foods

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

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 47907, USA
2. Department of Comparative Pathobiology, Purdue University, West Lafayette, IN 47907, 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 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).