



foods



an Open Access Journal by MDPI

Application of Green Extraction Technology for Foods

Guest Editors:

Dr. María José Aliaño-González

1. Department of Analytical Chemistry, University of Cádiz, Puerto Real, 11510 Cádiz, Spain
2. MED—Mediterranean Institute for Agriculture, Environment and Development, University of Algarve, 8005-139 Faro, Portugal

Dr. Bruno Medronho

1. MED—Mediterranean Institute for Agriculture, Environment and Development, University of Algarve, Faculty of Sciences and Technology, Campus de Gambelas, Ed. 8, 8005-139 Faro, Portugal
2. FSCN, Surface and Colloid Engineering, Mid Sweden University, SE-851 70 Sundsvall, Sweden

Message from the Guest Editors

Functional foods are generally defined as foods of natural origin whose nutritional properties must be capable of providing physiological benefits. The health-promoting properties of functional foods come from bioactive substances, which directly or indirectly alter the expression of specific genes in the human genome to improve health or reduce the risk of disease. Despite this, there are still many unknown functional foods at the moment. One of the main reasons for this is the challenge of developing methodologies for extracting and characterizing bioactive compounds in these matrices, given their high sensitivity to high temperatures or extreme pH conditions. In addition, most of the extraction techniques employed require organic solvents or high gas and electricity consumption, contributing to increased pollution. The aim of this Special Issue is to collect the latest advances focused on green extraction techniques of these compounds from food and their valorization, promoting the discovery of potential functional foods as well as contributing to mitigating environmental pollution.

Deadline for manuscript submissions:

18 October 2024



mdpi.com/si/164361

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)