Special Issue

Application of Green Extraction Technology for Foods

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.

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Deadline for manuscript submissions

closed (18 October 2024)

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/164361

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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.

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