



foods



an Open Access Journal by MDPI

Recent Advances in Extraction and Analysis of Food Carbohydrates

Guest Editors:

Dr. Ana Cristina Soria Monzón

Instituto de Química Orgánica
General (IQOG, CSIC), Madrid,
Spain

Dr. María Luz Sanz Murias

Instituto de Química Orgánica
General (IQOG, CSIC), Madrid,
Spain

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

Carbohydrates are one of the main food constituents that are either naturally present or added as ingredients to improve the technological or bioactive properties of foods. As ingredients, they can be synthesized by enzymatic or chemical reactions or extracted from natural sources. In this sense, there is a great interest in the development of new methodologies, based on advanced techniques and fulfilling the principles of green chemistry, to provide an improved extraction of target carbohydrates. Moreover, the complex compositions of carbohydrate-rich extracts usually makes chromatographic techniques coupled with mass spectrometry the tool of choice for their analysis due to its high resolution and identification power.

In this Special Issue, the most recent advances, as either original research articles or reviews, in the development and application of new strategies for the extraction and analysis of food carbohydrates will be addressed.

This Special Issue is supported by the Sample Preparation Study Group and Network, supported by the Division of Analytical Chemistry of the European Chemical Society.



mdpi.com/si/79214

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 & Technology*) / CiteScore - Q1 (*Health Professions (miscellaneous)*)

Contact Us

Foods Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](#)