

Special Issue

Cereal Bioactive Compounds: Chemical Analysis, Health Benefits and Novel Foods Development

Message from the Guest Editors

Cereals are one of the healthiest food choices due to their high nutritional and to their considerable contents of a wide range of biologically active compounds with health-promoting potential, including dietary fibers, resistant starch, sterols, tocopherols, tocotrienols, alkylresorcinols and phenolic acids. Bioactive compounds are mainly located in the bran and germ, making whole grains and cereal milling byproducts promising sources of bioactive compounds. Therefore, authors are strongly encouraged to contribute original research articles and reviews regarding recent advances in the bioactive cereal compounds field to this Special Issue dealing with the analysis of bioactive cereals compounds and their health-promoting properties as well as the optimization of pre- and post-harvest technologies to boost the cereal bioactive potential. Changes in the structure and bioactivity of these compounds after processing, preservation and digestion, the evaluation of mechanisms underlying their health-promoting properties and the development of novel foods including cereal bioactive compounds are topics also covered by this Special Issue.

Guest Editors

Dr. Elena Peñas Pozo

Institute of Food Science, Technology and Nutrition (ICTAN), Spanish National Research Council (CSIC), Jose Antonio Novais 6, 28040 Madrid, Spain

Dr. Cristina Martínez-Villaluenga

Institute of Food Science, Technology and Nutrition (ICTAN), Spanish National Research Council (CSIC), Jose Antonio Novais 10, 28040 Madrid, Spain

Deadline for manuscript submissions

closed (1 June 2023)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/98491

Foods
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
foods@mdpi.com

[mdpi.com/journal/
foods](https://mdpi.com/journal/foods)





Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



[mdpi.com/journal/
foods](https://mdpi.com/journal/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 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).