

Special Issue

Recent Advances in Biopolymer Applications in the Food Industry

Message from the Guest Editor

Naturally occurring biopolymers have attracted significant attention in the food industry due to their versatile properties, such as their nontoxicity, biocompatibility, and biodegradability, along with their abundance and sustainability. These biopolymers include polysaccharides and proteins recovered from biomass and polymers produced by microorganisms. Their diverse chemical, physical, and biological properties allow these materials to have multipurpose applications, such as food structure design, encapsulation of bioactive compounds at the micro- and nanoscale, as functional ingredients and health-promoting agents, and as materials for edible coating production. In addition to that, bio-based polymers have been intensively explored in the design of biodegradable films intended for packaging of specific food products. With the present Special Issue, we intend to gather recent advances regarding the use of emergent biopolymers, as well as different strategies for biopolymers' applications in food products, including biodegradable packaging materials.

Guest Editor

Dr. Vitor D. Alves

ISA—Instituto Superior de Agronomia, Universidade de Lisboa, Tapada da Ajuda, 1349-017 Lisboa, Portugal

Deadline for manuscript submissions

closed (20 April 2021)



Foods

an Open Access Journal
by MDPI

Impact Factor 6.0
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/53632

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 6.0
CiteScore 10.3
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 14.8 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2026).