

Special Issue

Structural and Nutritional Characterization of Food Proteins and Polysaccharides

Message from the Guest Editors

Sourcing and providing proteins are crucial in feeding the world and the global need for proteins will increase steeply along with population growth. Proteins provide energy, but additionally have a wide range of functions from enzymatic activities in the body to health beneficial attributes. Furthermore, proteins play an important role in food manufacture and often provide the binding, water- or oil-holding, emulsifying, foaming or other functional attributes required to ensure optimum sensory and taste benefits for the consumer.

Polysaccharides from plants have been utilised by the food industry for many years as gums and stabilising agents and can mediate carbohydrate digestion and thus manipulate the nutritional quality of foods. This is especially the case in the context of polysaccharides affecting postprandial blood glucose levels, obesity, diabetes, and even neuro-degenerative diseases. The purpose of this issue is to highlight current and new protein and polysaccharide sources and their associated functional, nutritional qualities.

Guest Editors

Dr. Anne Pihlanto

MTT Agrifood Research Finland, Biotechnology and Food Research, Alimentum, FI-31600 Jokioinen, Finland

Dr. Tove Gulbrandsen Devold

Department of Chemistry, Biotechnology and Food Science (IKBM), Norwegian University of Life Sciences (NMBU), Oslo, Norway

Deadline for manuscript submissions

closed (20 June 2020)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/32670

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).