

Special Issue

Delivery Systems to Enhance Bioaccessibility and Bioavailability of Bioactive Factors: Structure, Property, and Food Applications

Message from the Guest Editors

Many types of bioactive factors have been shown to exhibit various health beneficial effects, so food manufacturers often want to incorporate active ingredients with specific functional attributes into their products. Nevertheless, there are several challenges associated with simply incorporating bioactive factors into food systems, which may largely limit the efficacy and bioavailability of bioactive factors. This Special Issue aims to highlight encapsulation-based delivery systems to enhance the bioaccessibility and bioavailability of bioactive factors, with particular attention to the development of new biopolymer-based encapsulation materials using chemical or enzymatic modification method to fabricate different kinds of delivery systems. In-depth studies on carrier material and structure design, relationship between carrier structure and delivery property of delivery systems, and the comparison of bioaccessibility and bioavailability of bioactive factors before and after encapsulation are welcome and encouraged.

Guest Editors

Dr. Yaqiong Zhang

School of Agriculture & Biology, Shanghai Jiao Tong University, Shanghai, China

Dr. Xin Jia

College of Food Science & Nutritional Engineering, China Agricultural University, Beijing, China

Deadline for manuscript submissions

closed (31 August 2022)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/99909

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).