

Special Issue

Encapsulation Processes: Improvement and Innovation of Bio-Micro/Nanostructures with High-Value Compounds in Food

Message from the Guest Editor

Encapsulation processes have become a challenging approach to develop new food products containing a variety of bioactive agents, considering their health benefits. The production of bio-micro/nanostructures with high-value compounds has special importance to modernize the food industry and to give new solutions to different food problems and nutraceutical issues.

In this Special Issue, we aim to publish innovative research results and review papers dealing with the encapsulation, valorization, stabilization and commercialization of bio-micro/nanostructures with high-value compounds. These papers can explore novel encapsulation techniques or encapsulation matrices, the physicochemical characteristics of encapsulation systems and their food applications—including sensorial characteristics—bioaccessibility studies, and evaluations of the nutritional value of food products containing encapsulated compounds and/or their simulated digestion behavior.

This Special Issue also seeks to provide a fundamental understanding of current strategies to improve the encapsulation and the valorization of active and natural compounds.

Guest Editor

Dr. Berta Nogueiro Estevinho

LEPABE—Laboratory for Process Engineering, Environment, Biotechnology and Energy, ALiCE—Associate Laboratory in Chemical Engineering, Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal

Deadline for manuscript submissions

closed (31 August 2025)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/210536

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 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).