

## Special Issue

# Nanotechnology and Biophysics with Applications in Food Science

### Message from the Guest Editor

One of the main challenges for the food industry is to develop functional and safe foods with a low environmental impact. Food is a complex biological system, consisting of molecules with nutritional and/or health properties, such as proteins, peptides, lipids, carbohydrates, vitamins, fibers, and minerals. This Special Issue titled “Nanotechnology and Biophysics with Applications in Food Science” will address questions concerning the physical, chemical, and microstructural properties of food materials. The key areas of interest include the following food properties: Chemical and physico-chemical characterization; Interfacial properties: dispersions, emulsions, and foams; Rheological approaches; Encapsulation and controlled release properties; Manipulation of biochemical and biological properties of molecules via green approaches.

### Guest Editor

Dr. Federico Casanova

Food Production Engineering, DTU Food, Technical University of Denmark, Dk-2800 Lyngby, Denmark

### Deadline for manuscript submissions

closed (20 February 2021)



## Foods

an Open Access Journal  
by MDPI

Impact Factor 5.1  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/48864](https://mdpi.com/si/48864)

*Foods*

Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[foods@mdpi.com](mailto:foods@mdpi.com)

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