

Special Issue

Application of Nanotechnology in Food Analysis and Packaging

Message from the Guest Editors

Nanotechnology can be used to create nanomaterials with unique morphologies, structures, and surface properties, which could possibly improve production processes to provide products with better characteristics and new functionalities. Intelligent, smart, and active packaging systems produced using nanotechnology would be able to extend products' shelf life and maintain food safety, as well as respond to environmental conditions. Sensors or detection systems for rapid detection of spoilage, for quality control, and for pesticide abuse detection at source are also possible through nanotechnology. This Special Issue aims to cover the most recent advances made on nanotechnology fields, from the design, conception, and characterization of nanomaterials to their application in food packaging and analysis. Up-to-date original research articles, review works, and short communications on these topics are welcome, and we look forward to receiving your interesting work.

Guest Editors

Dr. Peng Wen
Dr. Shanxue Jiang
Dr. Kun Feng

Deadline for manuscript submissions

closed (12 February 2024)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/184742

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).