



foods



an Open Access Journal by MDPI

Nanotechnology in Food Processing, Packaging and Safety

Guest Editor:

Prof. Dr. Jianlong Wang
College of Food Science and
Engineering, Northwest A&F
University, Xianyang, China

Deadline for manuscript
submissions:
closed (15 January 2024)

Message from the Guest Editor

Nanotechnology has attracted wide attention for its potential to revolutionize the food industry. Nanotechnology can be used in constructing nanomaterials with special morphology, structure and surface properties. Functional nanomaterials can be enhanced with an increased stability, and antibacterial, antioxidant and biosafety properties to combat challenges during food processing and packaging, including food quality reduction, nutritional loss or pollution by the external environment (microbial and heavy metals, etc.). In addition, the development and application of nanosensors with high sensitivity and high selectivity in food also contribute to food safety control. These advantages and applications illustrate the broad significance and advantages of nanotechnology in the field of food science and engineering, and can make important contributions to the development of the food industry and human health. Moreover, the integration of nanotechnology with other science and technologies fields, including biotechnology, chemistry, physics and engineering, may increase the magnitude of its transformative potential.



mdpi.com/si/L77992

Special Issue



foods



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arun K. Bhunia

1. Department of Food Science,
Purdue University, West
Lafayette, IN, USA

2. Department of Comparative
Pathobiology (Courtesy), Purdue
University, West Lafayette, IN,
USA

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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))

Contact Us

Foods Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/foods
foods@mdpi.com
[X@Foods_MDPI](https://twitter.com/Foods_MDPI)