

## Special Issue

# Nanoparticles in Food Industry: Current Research and Future Prospects

### Message from the Guest Editors

Nanoparticles have gained attention in the food industry due to their ability to enhance food safety and quality. Their small size, tunable properties, and improved functionality allow for better optical clarity, greater stability against aggregation, resistance to creaming and sedimentation, modified textural properties, increased bioavailability, and the controlled release of bioactive compounds. This Special Issue aims to present recent research on the development, characterization, and application of nanoparticles in food systems. We invite contributions that explore their fundamental properties, practical applications, and potential implications in food science. Topics of interest include, but are not limited to nanoparticle-based delivery systems for bioactive compounds; nanoemulsions for enhanced stability and functional properties; safety assessment and regulatory considerations of food nanomaterials; nanostructured coatings for food packaging and shelf-life extension and advances in nanosensors for food safety and quality monitoring.

### Guest Editors

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### Deadline for manuscript submissions

26 September 2025



## Foods

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## 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.

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### Editor-in-Chief

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