

Special Issue

Applications and Trends for Ultrasound in Food Processing

Message from the Guest Editors

We are pleased to introduce this Special Issue on “Applications and Trends for Ultrasound in Food Processing,” which showcases the latest advancements and innovative uses of ultrasound technology across the food industry. Ultrasound has gained significant attention as a versatile, non-thermal processing method offering numerous benefits for food quality, safety, and functionality while preserving nutritional and sensory attributes. Its ability to enhance extraction, inactivate microorganisms, improve texture, and increase the efficiency of drying and emulsification processes makes it a powerful tool in modern food processing, addressing consumer demand for minimally processed, fresh-like products.

Despite its promising advantages, challenges such as process optimization and industrial-scale implementation remain, and recent studies have focused on overcoming these barriers. Several contributions emphasize ultrasound’s role in functional food development and shelf-life extension of fresh and minimally processed products.

Guest Editors

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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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