

Special Issue

Development and Application of Nondestructive Testing Technologies in Food Quality and Safety

Message from the Guest Editors

Nondestructive testing (NDT) technologies have revolutionized the fields of food quality and safety inspection. These advanced techniques allow for the evaluation of food products without causing any damage, ensuring the integrity of food and safety for its consumption. NDT techniques include a wide range of methods such as visual inspection, sensory evaluation, physical measurements, chemical analysis, and microbiological testing. These methods are designed to detect defects, contaminants, and other quality issues in food products. Technologies such as spectroscopy, ultrasonic testing, nuclear magnetic resonance, X-ray-computed tomography, laser scattering, electronic nose, and optical methods have been developed to analyze food products for various purposes. Novel biosensing, machine vision, and image processing also play a key role in food quality and safety inspection for detecting surface defects, foreign objects, and other contaminants. These nondestructive technologies are essential for ensuring public health and maintaining consumer confidence in the food industry.

Guest Editors

Prof. Dr. Long Ma

College of Biotechnology, Tianjin University of Science & Technology, Tianjin 300457, China

Prof. Dr. Mingfei Pan

Key Laboratory of Food Quality and Health of Tianjin, Tianjin University of Science and Technology, Tianjin 300457, China

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

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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

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