Special Issue

Recent Advances in Emerging Techniques for Non-Destructive Detection of Food Quality and Safety (2nd Edition)

Message from the Guest Editor

Currently, the issue of food safety and quality is a great public concern. The non-destructive detection technique (NDDT) has emerged as a powerful analytical tool in the food industries. In order to satisfy the demands of consumers and obtain superior food qualities, NDDT methods are required for quality evaluation. NDDT methods (such as near- and mid-infrared spectroscopy (NIRS), Raman spectroscopy, fluorescence spectroscopy (FS), hyperspectral imaging (HSI), terahertz spectroscopy, X-ray imaging methods, and thermal imaging) have provided interesting and promising results in detecting a variety of foods. The NDDT allows for the simultaneous measurement of chemical data from food without destruction of the substance. Additionally, the NDDT can obtain both quantitative and qualitative data at the same time without separate analyses. This Special Issue aims to collect recent and novel applications of NDDT methods in relation to food quality and safety.

Guest Editor

Prof. Dr. Xiaohong Wu

1. School of Electrical and Information Engineering, Jiangsu University, Zhenjiang, China
2. High-Tech Key Laboratory of Agricultural Equipment and Intelligence of Jiangsu Province, Jiangsu University, Zhenjiang, China

Deadline for manuscript submissions

31 March 2026

Foods

an Open Access Journal by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed

mdpi.com/si/226276

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

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

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 14.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).