



foods



an Open Access Journal by MDPI

Machine Vision Applications in Food

Guest Editors:

Prof. Dr. Qiaohua Wang

College of Engineering,
Huazhong Agricultural University,
Wuhan 430070, China

Dr. Zhihui Zhu

College of Engineering,
Huazhong Agricultural University,
Wuhan 430070, China

Prof. Dr. Meihu Ma

National Research and
Development Center for Egg
Processing, College of Food
Science and Technology,
Huazhong Agricultural University,
Wuhan 430070, China

Deadline for manuscript
submissions:

closed (25 January 2024)

Message from the Guest Editors

Dear Colleagues,

Food production is becoming more automated as consumers demand more quality, safety, and efficiency. Machine vision application to food can achieve continuous, stable, and reliable non-destructive detection; machine vision technology can overcome time-consuming and inefficient sampling, fatigue, insufficient repeatability, and individual differences in manual detection. However, it is a challenge to apply machine vision to food as a high-quality solution because of the food industry's zero tolerance for food problems. In addition, it is another challenge to reduce the recall cost through food traceability with machine vision. Hence, this Special Issue aims to research and discuss how machine vision technology can ensure food quality and safety in an innovative and high-quality detection manner.

Prof. Dr. Qiaohua Wang

Dr. Zhihui Zhu

Prof. Dr. Meihu Ma

Guest Editors



mdpi.com/si/148299

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)