

Special Issue

Artificial Intelligence and Computer Vision Applications in Food Science and Industry

Message from the Guest Editors

Artificial intelligence (AI) and computer vision (CV) are emerging as powerful tools driving innovation and efficiency in the rapidly evolving landscape of food science and technology. AI and computer vision applications transform food production, processing, and consumption, automating quality control processes, enhancing food safety, and optimizing production workflows. Integrating AI and CV into the food industry enhances operational efficiency and plays a critical role in meeting the growing demand for sustainable, safe, and high-quality food products. This Special Issue of *Foods* aims to bring together cutting-edge research, review articles, and case studies that explore the diverse applications of AI and computer vision in food science and industry. The objective is to provide a comprehensive overview of current advancements, challenges, and future directions in this rapidly expanding field. We invite contributions highlighting novel AI-driven approaches, the development and application of CV technologies, and interdisciplinary studies bridging the gap between food science and computational methodologies.

Guest Editors

Dr. Cristian Randieri
Dr. Salvatore Campisi-Pinto
Prof. Dr. Zeev Wiesman

Deadline for manuscript submissions

15 December 2026



Foods

an Open Access Journal
by MDPI

Impact Factor 6.0
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/218473

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

[mdpi.com/journal/
foods](https://mdpi.com/journal/foods)





Foods

an Open Access Journal
by MDPI

Impact Factor 6.0
CiteScore 10.3
Indexed in PubMed



[mdpi.com/journal/
foods](https://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 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).