

Special Issue

Applications of Artificial Intelligence in Food Industry

Message from the Guest Editors

With breakthroughs of artificial intelligence (AI) under the fourth industrial revolution, intelligent applications are providing innovative solutions to the food industry. AI is able to support the positive transformation and upgrading of food technologies alongside the digitization, automatization, and intelligence of the food industry in light of its powerful perceiving, reasoning, and decision-making capabilities. Novel applications based on AI are changing all activities in the food industry, ranging from production, processing and packaging, transporting and storing, consuming and disposing, and benefiting all actors in food industry. Combined with technologies such as the Internet of Things (IoT) and Big Data, AI is facilitating the development of new recipes and food, food process simulation and optimization, food quality and safety monitoring, etc. This Special Issue, “Applications of Artificial Intelligence in Food Industry”, focuses on advancing novel methods and applications in the food industry at the crossing of food and AI.

Guest Editors

Dr. Weiqing Min

Key Laboratory of Intelligent Information Processing, Institute of Computing Technology, Chinese Academy of Science, Beijing 100190, China

Prof. Dr. Zhiming Guo

School of Food and Biological Engineering, Jiangsu University, Zhenjiang 212013, China

Deadline for manuscript submissions

closed (30 April 2024)



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



mdpi.com/si/159547

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 5.1
CiteScore 8.7
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).