

## Special Issue

# Food Perception: Mechanism and Applications

### Message from the Guest Editor

The development of new methods for artificial sensory evaluation, further research into the molecular biology mechanisms of taste, smell, and touch, and the advent of advanced technologies for assessing preferences and emotions have contributed to the evolution of food perception technology. It now extends beyond distinguishing and identifying overall sensory characteristics to include the determination and characterization of food preferences and emotional responses. As the crucial driving force for "future foods", food perception technology plays a pivotal role in constructing the new industrial framework and meeting the growing demand for healthy and delicious diets. With continuous progress in intelligent perception technologies such as precise perception, sensory simulation, and human–computer interaction, it shows immense potential in promoting the developments of artificial sensory evaluation. Within this Special Issue, the goal is to highlight the latest scientific progress and technological innovations in human food perception from multiple perspectives, including chemistry, physiology, neuroscience, and sensory science.

---

### Guest Editor

Prof. Dr. Maomao Zeng

State Key Laboratory of Food Science and Resources, Jiangnan University, Wuxi 214122, China

---

### Deadline for manuscript submissions

closed (18 October 2025)



## Foods

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.1  
CiteScore 10.3  
Indexed in PubMed



[mdpi.com/si/219835](https://mdpi.com/si/219835)

*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 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).