



*foods*



an Open Access Journal by MDPI

## Egg Protein: Structure and Function

Guest Editors:

**Dr. Long Sheng**

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

**Prof. Dr. Xiang Duan**

College of Food Science and  
Engineering, Northwest A&F  
University, Xianyang 712100,  
China

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editors

Considering the importance of eggs in the daily diet, the study of their proteins and derived peptides cannot be ignored in food science. How to purify and detect egg protein is the basis for their application. The structure of egg protein needs to be analyzed under different processing conditions, and the mechanism of improving processing properties (such as foaming, emulsifying, and gelation) has been a hot topic in this field. Meanwhile, the application of egg protein and derived peptides for the delivery of relevant active substances is of increasing interest due to their broad range of physiological activities. As an essential raw material in food processing, the study of the molecular interactions (protein–polysaccharide and protein–protein) involved in egg protein is also necessary to understand their processing or physiological properties. The potential of egg protein and derived peptides for food production and regulation of human health will continue to attract the attention of researchers.



[mdpi.com/si/105100](https://mdpi.com/si/105100)

# 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 & Technology*) / CiteScore - Q1 (*Health Professions (miscellaneous)*)

## Contact Us

---

*Foods* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/foods](http://mdpi.com/journal/foods)  
[foods@mdpi.com](mailto:foods@mdpi.com)  
X@Foods\_MDPI