Special Issue

Recent Advances in Food Protein and Alternative Protein: Properties, Benefits, and Applications

Message from the Guest Editor

Physicochemical modifications of food proteins can occur during the whole processing chain, from primary production to intestinal digestion. Accumulated evidence suggests that protein modification in food systems could have a significant impact on food quality and human health. Protein modification can be initiated by different mechanisms, which may induce different changes in the physicochemical properties of proteins and, hence, the different outcomes in functionality. Due to the complex interactions between proteins and this food matrix, the relationship between protein modification and protein functionality can be quite different compared to those derived from model systems. In recent years, alternative protein sources, such as plant-based protein, insect protein, microbial protein, etc., have gained increased popularity in human foods. These novel protein sources require further research to understand the chemistry of protein modification and its consequences on protein functionality and food quality. Original research and review articles regarding the abovementioned aspects are welcome.

Guest Editor

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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.

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