

Special Issue

Application of Food Biomacromolecules in Food Packaging

Message from the Guest Editor

Food biomacromolecules represent a promising class of biodegradable materials that are increasingly recognized for their versatile roles in developing sustainable packaging solutions while enhancing food preservation and safety. With growing environmental concerns over conventional plastic waste, the exploration of these biopolymers has become a critical research focus in food science and green technology.

This Special Issue aims to highlight recent advances in the design, analysis, and application of food-derived macromolecules in packaging systems. Topics of interest include novel extraction and modification methods for biomacromolecules, structure–function relationships and performance optimization, film and coating development with tailored barrier, mechanical, and bioactive properties, biodegradability and environmental impact assessments, and scaling strategies for industrial adoption.

We invite authors to contribute original research articles and reviews on food biomacromolecules and their applications in packaging, which aim to reduce plastic pollution, extend shelf life, and support a circular bioeconomy.

Guest Editor

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Deadline for manuscript submissions

25 May 2026



Foods

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 8.7
Indexed in PubMed



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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

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