

Special Issue

Advances in the Properties, Functions, and Novel Applications of Food Hydrocolloids

Message from the Guest Editors

This Special Issue, entitled 'Advances in the Properties, Functions, and Novel Applications of Food Hydrocolloids', aims to highlight the latest scientific progress and emerging trends in this dynamic field. Food hydrocolloids are versatile functional ingredients that play a critical role in modern food systems due to their unique thickening, gelling, emulsifying, stabilizing, and film-forming properties. With growing consumer demand for healthier, functional, and sustainable foods, current research is increasingly focused on understanding structure–activity relationships in complex matrices, developing green extraction methods, enhancing functionality through modification, and expanding applications in novel food categories. This collection invites contributions on a wide range of topics, including, but not limited to:

- hydrocolloids in plant-based and alternative protein foods,
- design of bioactive delivery systems,
- applications in 3D printing and smart packaging,
- interactions with other food components,
- sustainable production pathways.

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Deadline for manuscript submissions

31 January 2027



Foods

an Open Access Journal
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Impact Factor 6.0
CiteScore 10.3
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.

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