

## Special Issue

# Using Biodegradable Films and Coatings for Food Packaging Materials

### Message from the Guest Editors

Developing sustainable, biodegradable food packaging materials that allow the negative impact of plastic accumulation on marine and terrestrial ecosystems to be reduced is one of the current goals of the food industry. We can improve such materials by incorporating active ingredients with antioxidant and/or antimicrobial activity, which contribute significantly to extending food shelf-life and reducing food waste. Moreover, the enhanced functionality of the developed materials could help mitigate the effect of the possible higher costs of using biodegradable polymers. Therefore, this Special Issue aims to cover innovative research lines regarding the development of biodegradable films and coatings for food packaging materials, such as (i) innovative food packaging materials obtained from renewable sources; (ii) active films and coatings; and (iii) the encapsulation and controlled release of active ingredients incorporated into films and coatings. This Special Issue will also cover the technological and economic aspects of the industrial scale-up of biodegradable packaging materials.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 February 2026)



## Foods

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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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### Editor-in-Chief

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