

## Special Issue

# Rethinking Agri-Food and Marine Waste and Byproducts for Circular and Sustainable Bio-Based Food Packaging

### Message from the Guest Editors

Agri-food and marine waste/byproducts are a ubiquitous and abundant source of low-cost, natural, and renewable biomolecules, such as carbohydrates, proteins, lipids, and (poly)phenolics, with great upcycling into food packaging materials. Their efficient revalorization would not only decrease the volume of problematic waste accumulated in the environment but also result in the generation of value-added compounds for the packaging of tomorrow. Therefore, composition, structure, molecular interactions, and compatibilization under thermomechanical processing into packaging materials, of wasted agri-food and marine biomass needs to be mechanistically understood. This Special Issue seeks to provide a fundamental understanding and novel strategies to improve the performance of biodegradable packaging materials throughout agri-food/marine compounds, a scientific hotspot in recent decades. This Special Issue will also cover feasible strategies to overcome the challenges in the application of agri-food and marine waste/byproducts as functional building blocks for fully bio-based/biodegradable food packaging following sustainability and circular economy principles.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 September 2023)



## Foods

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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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### Editor-in-Chief

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