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

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### 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.



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## Message from the Editor-in-Chief

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