

Special Issue

Innovative and Sustainable Packaging for Food

Message from the Guest Editor

The contemporary food industry is increasingly investing in innovative, sustainable packaging solutions to address the environmental and social challenges posed by conventional plastic materials. Recent advancements include the use of edible films and coatings from biopolymers to eliminate waste and enhance product preservation. In addition, smart and active packaging technologies, such as freshness indicators, oxygen scavengers, and antimicrobial layers, have demonstrated significant potential in improving food quality by extending shelf life and maintaining nutritional value.

Overall, innovative and sustainable packaging encompasses a broad spectrum of strategies, including edible and biodegradable materials, active and intelligent systems, nanotechnology-based solutions, and circular design concepts.

We seek contributions presenting cutting-edge research and reviews that advance innovative and sustainable food packaging, highlighting its evolving role in promoting food quality, safety, and environmental responsibility.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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