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Edible Films and Coatings for Food Preservation

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Message from the Collection Editor

Dear Colleagues,

Considering the modern nutritional science and health tendency of modern food technology, as well as today's busy lifestyle, the use of edible films and coatings as food materials seems to be an important topic to consider, in order to improve food preservation and reduce the use of chemical preservatives. Moreover, as food items are extremely vulnerable to contamination, the production of materials to detect food spoilage is also vitally important to the daily busy lifestyle.

Although there have been developments in environmentally friendly processes and the engineering of functional materials from biodegradable and naturally abundant resources, the pressure supported by the biodiversity of the planet is expected to be partially released. In some cases, they can be obtained from by-products.

In the field of food packaging and coating, alternative bio-based plastics have been thoroughly researched, due to their biodegradability, biocompatibility, and the abundance of biomass resources. This biodegradable nature also affords other advantages, such as a reduction in environmental pollution.



mdpi.com/si/120330

Topical Collection



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Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (*Food Science & Technology*) / CiteScore - Q1 (*Health Professions (miscellaneous)*)

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