



Smart Polymeric Films and Coatings for Food Packaging Applications

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Message from the Guest Editors

Active and intelligent films and coatings are designed to extend the shelf life of a packaged food product or to maintain or improve its condition. Smart packaging can monitor the condition of a packaged food or the environment surrounding the food, make it possible for the degree of freshness of a foodstuff to be recognized on the packaging, or enable a longer shelf life for the foodstuff. Most food from the supermarket is packaged, as the food lasts longer, and thus, less is thrown away. However, the packaging effort often goes far beyond this goal, and more research, control, and transparency regarding the polymers used and their safety and new functionalities would be desirable. Increasingly, for example, elements such as absorbers are found in packaging, or food is packaged in a protective atmosphere.

It is our pleasure to invite you to submit a manuscript to this Special Issue and contribute to the current knowledge in the field, providing the food industry with new insights into the development of novel polymeric films and coatings based on novel bio-based materials (sustainable and green) and their innovative functionalized applications.





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