

Recent Advances in Food Bio-Preservation Films

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submissions:

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Message from the Guest Editors

We invite investigators to contribute with original research articles, as well as review articles, focused on the development of active films for food packaging application, focusing on recent advances in the preservation of food products with the use of environmentally friendly biomaterials.

In particular, the topics of interest include, but are not limited to the following:

- Nanotechnology for active and intelligent bio-based packaging
- Antioxidant and antimicrobial bio-based films
- Natural additives—encapsulation and controlled release
- Bio-based active packaging design and mathematical modeling
- Active and intelligent edible coatings and shelf life extension
- Active and intelligent bio-based packaging and shelf life extension
- Scale-up production of bio-preservation films
- Migration studies of bio- and nano-compounds into food matrices—toxicological studies



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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

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