

Advanced Coatings and Films for Food Packing and Storage

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Message from the Guest Editors

Dear Colleagues,

With the increasing demand for food quality and safety, it is urgent to develop efficient packaging strategies for prolonging the shelf life of food. An edible coating is a fine layer made up of an edible material that protects the food underneath from physicochemical and microbiological decomposition, and has various advantages such as edibility, biocompatibility, non-toxicity, non-polluting etc. Additionally, these coatings combine active ingredients such as deoxidizers, antioxidants and antimicrobials in the coating materials, and can release or absorb the active ingredients into the packaged foods or their surrounding environment.

We invite researchers to contribute their original research results and review articles on the following topics:

- Discovery of new natural biopolymers as the base materials for advanced coatings;
- Natural biopolymer-based films with improved functionalities;
- Discovery of new manufacturing methods for improving the functional properties of natural biopolymer-based films.
- Advanced coatings for extending shelf life and maintaining food quality during storage.

We look forward to receiving your contributions.



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Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge 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 at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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