

Special Issue

Edible Films and Coatings with Tailored Features for Improvement of Food Quality

Message from the Guest Editors

Food packaging has evolved from an inert and polluting waste that remains after using the product toward an active item that can be consumed along with the food it contains. Edible films and coatings represent a healthy alternative to classic food packaging. There are tremendous opportunities to prepare films and coatings from different animal and vegetal sources. The main purpose is to obtain edible layers that have the ability to encompass different active substances which bring them considerable antioxidant and antimicrobial activity.

The scope of this Special Issue will serve as a forum for papers in the following paradigms:

Theoretical and experimental aspects in edible films coating preparation and characterization;

The newest findings in multifunctional edible coatings and films;

Evaluation and optimization of edible films' and coatings' protective properties after application on food products;

Nanomaterials used to improve edible layers;

Use of response surface methodology for edible layer optimization.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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