

Special Issue

Edible Coatings and Films for Food and Medical Applications

Message from the Guest Editors

This Special Issue on new films and coating applications is expected to introduce new biopolymers, shed light on various bioactive mechanisms able to enhance functionality, and raise awareness on biocompatibility and waste or byproduct valorization. We invite researchers to contribute with their original research results or review articles on the following topics:

- Food applications of edible films and coatings with antimicrobial, antioxidant, or other health-promoting functionality;
- Multiple functionality targeted by films and coatings with active compounds and the impact on food quality and safety;
- Characterization of interactions between biopolymers with nanofibers' and foods' associated underlying mechanisms;
- Byproduct valorization in edible film and coating formulae and aspects related to biocompatibility with food;
- Novel edible films and coating materials and methods for pathogenic microorganism detection and medical application.

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2022)



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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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