

Special Issue

Novel Coatings for Food Packaging

Message from the Guest Editors

It is widely known that the aim of food packaging is to maintain food quality and minimize the environmental impact of packaging materials. As food contact materials, numerous biopolymers—including different carbohydrates, proteins, lipids, or their composite mixtures—are increasingly being proposed as alternatives to conventional petroleum-derived plastics. This Special Issue focuses on novel coatings which can be applied in various combinations to provide unique properties that ensure the safety and quality of specific packed food products, from processing, handling, and storage to final use by consumers.

The topics of interest for this Special Issue, in particular, includes (but is not restricted to):

- Active/bioactive/sensing coatings for food packaging;
- Novel edible coatings for improved packaging properties;
- Development of new processes and strategies to improve food packaging and shelf life;
- Coating surface and interface analysis;
- Synthesis and characterization of multifunctional coatings;
- Recent trends in coatings for food packaging.

Guest Editors

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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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