

Special Issue

Surface Modification, Functional Coatings, and Nanomaterials for Food Safety and Contact Applications

Message from the Guest Editors

Research on the activity of food packaging has great potential for food storage. However, the most important aspect here is the search for new bioactive food packaging with antioxidant and antimicrobial potential. It is necessary to pay attention to the low toxicity of carbon materials that create diffusion barriers or nanoparticles that migrate in a controlled manner and extend the shelf life of packaged products. The multi-aspect nature of these studies makes it possible to write articles from various fields and combine them into one Special Issue. The purpose of publishing this Special Issue falls within the scope of *Coatings*. This purpose includes issues related to the search for new materials that give active properties to food packaging. The aim is to have a collection of at least 10 articles; the Special Issue may be printed in book form if this number is reached. The scope of this Special Issue includes, but is not limited to, the following topics:

- Applications of nanomaterials (nanoparticles) in food packaging system;
- Surface modification of food packaging system;
- Antibacterial coatings of food packaging system.

We look forward to receiving your contributions.

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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