

## Special Issue

# Edible Films and Coatings: Fundamentals and Applications

### Message from the Guest Editors

In recent decades, awareness of environmental pollution due to plastic consumption has stimulated the research and development of new materials for food packaging that are mainly responsible for plastic waste. The main characteristic of these new packaging materials is their sustainability, biodegradability, and low toxicity. Films can be classified as edible and/or biodegradable. The coating represents a thin layer of material, applied in liquid state directly on the surface of the food: in this way, the properties of the coating are related to the compositions of the film-forming solutions and the food surfaces that can affect the structure of coating during drying. Due to the impossibility of removing it from the surface of foods, coating is preferable to edible material. Many strategies were used to improve the properties of edible films and coatings. Moreover, in recent years, concepts of active packaging and intelligent packaging have been developed and successfully applied in food packaging.

The aim the present Special Issue is to present the latest developments in this field through research and review papers.

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### Guest Editors

Dr. Prospero Di Pierro  
Dr. Giovanna Rossi-Marquez  
Dr. Cristian Davalos-Saucedo

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### Deadline for manuscript submissions

closed (20 June 2020)



## Coatings

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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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### Editors-in-Chief

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