



Coatings and Thin Films for Food Packaging Applications

Guest Editors:

Dr. Fátima Poças

Dr. Manuela Pintado

Prof. Dr. Frederic Debeaufort

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Message from the Guest Editors

Food packaging in the context of the circular economy is a topic of great interest that has been calling researchers from many different areas. Research and development streams aiming at contributing to the decrease the dependency on fossil plastics and to increase the application of bio-based materials have been explored. Coatings, films and composites of new materials have been researched to answer this demand and fulfill the safety and quality requirements of packaging for foods.

This Special Issue welcomes contributions in the following topics:

- Coatings development with high performance for food packaging
- Developments of films and mono-layer structured plastic materials for packaging
- Migration and safety of materials
- Improvement of barrier properties of bio-based materials for packaging
- Materials characterisation techniques
- Mass transfer models and foods shelf-life





Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

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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Contact Us

Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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