



Polymers for Packaging Applications

Guest Editor:

Dr. Valentina Siracusa

Department of Chemical
Sciences, Università degli Studi di
Catania, 95125 Catania, Italy

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Message from the Guest Editor

This Special Issue will aim to discuss new packaging solutions, with an ultimate goal of denoting weaknesses and opportunities to improve sustainability efficiency in the packaging sector.

In particular, bio-based polymers obtained from renewable resources are driving ambitions to replace conventional packaging materials, coming from non-renewable resources, in order to reach a more sustainable development of the packaging industry.

This Special Issue will give a chance to the academic, as well as industrial, world to present an overview of novel polymers for packaging applications, focusing attention on their mechanical, chemical–physical, morphological and gas barrier performances, in order to establish a structure–property relationship. Mechanisms and pathways of polymer degradation will also be taken into consideration. These new smart plastics will be compared to traditional ones, which are extensively employed in the food packaging sector.

Research papers, as well as reviews, are welcome.

Prof. Dr. Valentina Siracusa





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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

Message from the Editor-in-Chief

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Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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