

Special Issue

Smart and Nanostructured Bioactive Food Packaging Systems II

Message from the Guest Editors

Food products are highly susceptible to microbial contamination that may affect their quality attributes and reduce their nutritional value. Over the past two decades, nanotechnology has been investigated as a promising strategy to enhance the performance of bio-based films and coatings in preserving food quality through the development of nanocomposite materials, as well as nanoencapsulated and multilayered/nanolaminate delivery systems. Along with nanostructured packaging systems, smart/intelligent packaging materials can serve as efficient and cost-effective means to monitor environmental conditions in the food supply chain through their ability to communicate information related to storage conditions and the quality of the stored food using sensors/nanosensors located in food packaging systems.

This Special Issue focuses on the latest progress in the development of smart packaging systems and nanostructured materials incorporating bioactive compounds and their application for preserving food quality. You are invited to submit your latest research in the form of original full articles, communications, or reviews on this topic.

Guest Editors

Dr. Hajer Aloui

Department of Chemical Engineering, Chungbuk National University, Cheongju, Republic of Korea

Dr. Ana Teresa Sanches-Silva

National Institute of Agrarian and Veterinary Research, Rua dos Lágidos, Lugar da Madalena, 4485-655 Vila do Conde, Portugal

Deadline for manuscript submissions

closed (30 September 2023)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/159950

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)





Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)



About the Journal

Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)