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Application of Eco-Friendly Materials in Food Packaging

Guest Editor:

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Deadline for manuscript submissions:

closed (28 July 2024)

Message from the Guest Editor

Owing to recent advances in biobased biodegradable packaging materials, new sustainable solutions were proposed to replace conventional plastics with eco-friendly materials, preventing depletion of fossil resources and environmental pollution.

The Special Issue on Application of Eco-Friendly Materials in Food Packaging is expected to introduce new sustainable biobased biodegradable polymeric materials for various food matrices, with micro- and/or nano-delivery active systems and smart bio-packaging.

Thus, we invite researchers to contribute with their original research results or review articles on the following topics:

- bio-degradable bio-based composites for different food applications, characterization of mechanical and barrier properties;
- biocomposites containing antimicrobials, antioxidants or other health-promoting functionality;
- new smart bio-composites for food applications;
- characterization of interactions between biobased polymers with micro and nanofibers and foods underlying mechanisms associated;
- by-products valorization in films and coatings formulae and aspects related to biocompatibility with food matrix and circular economy.



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Special Issue



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Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

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