

Special Issue

Nanocomposites for Food Packaging

Message from the Guest Editor

Nanotechnology can address many issues of modern food packaging, such as the extension and implementation of the principal packaging functions: containment, protection and preservation, marketing, and communications. The applications of polymer nanotechnology, in fact, can provide new materials with improved barrier, mechanical, and antimicrobial properties, oxygen scavenging ability, enzyme immobilization, and indication of the degree of exposure to some detrimental factors such as temperatures or oxygen levels during transport and storage. This Special Issue is concerned with the preparation and characterization of polymer nanocomposites for food packaging applications. There are no limits in terms of composition, type of polymers (natural or synthetic polymers), and nature of the fillers. Both original contributions and reviews are welcome. Research on green materials is strongly encouraged.

Guest Editor

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Deadline for manuscript submissions

closed (1 March 2022)



Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.3
CiteScore 9.2
Indexed in PubMed



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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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