

Special Issue

Advanced Polymeric Materials and Nanocomposites for Green Plastics and Biodegradable Packaging

Message from the Guest Editor

In recent years, there has been an increasing concern about the growing amount of plastic waste, coming from daily life. Different kinds of synthetic plastics are used for an extensive range of needs, but in order to reduce the impact of petroleum-based plastics and materials waste, considerable attention has been focused on green and biodegradable plastics. In this context, advanced polymeric materials and nanocomposites have recently gained much attention. Starting monomers and chemicals coming from natural resources and/or food processing wastes can also be considered as promising candidates for polymers and nanocomposites production. Their use in the packaging sector could be helpful to reduce the problems associated with waste management, avoiding ecological problems and environmental pollution and reducing, at the same time, the huge consumption of nonrenewable and nonbiodegradable materials. The aim of this Special Issue is to provide an overview of ongoing scientific and industrial research on this interesting topic.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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