Special Issue

Packaging and Polymer-Based Materials

Message from the Guest Editors

Packaging based on plastic materials, i.e., organic polymers treated adequately with additives to achieve desired performance, constitutes the largest source of waste, followed by construction and textile sectors. This is explained by the need to preserve the properties and characteristics of packaged items from their production plants to reach the end consumer. The challenge remains in not only achieving new macromolecular structures, with special attention to those coming from renewable sources, but also in processing improvements; eco-friendly additive development, including labeling; new designs focused on rational recyclability, beyond fluctuant economic interests; polymer grade number reduction and "ad hoc" standards of development with the primary target of avoiding unnecessary incompatibility and /or immiscibility troubles in the management of mixed plastic wastes. We also invite submissions related to the innovation and new performances of organic plastics in the vast packaging world. Your contributions are integral to the research community and will help us address challenges and innovations in sustainable plastic packaging.

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Message from the Editor-in-Chief

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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