Special Issue

Modification and Processing of Biodegradable Polymers

Message from the Guest Editor

Biodegradable polymers are distinctly from regular polymers in their material characteristics. Biodegradable polymers, like any other polymer, can be processed using conventional techniques such as injection molding, extrusion, and compression molding. Furthermore, the use of appropriate methods of modification can result in new or improved properties being obtained for the resulting materials. However, the distinct narrow modification and processing window makes them challenging to modify or process. Continuing technological progress in the modification and processing of biodegradable polymers leads not only to the enhancement of the product quality but also to the reduction of their prices. As a result, biodegradable polymers may be used to produce both common-use articles or packaging materials, as well as for more complex engineering applications. In this Special Issue, we aim to publish original research and review articles detailing the current trends and technologies for the modification and processing of biodegradable polymers and their composites that are aimed at improving their properties and expanding the possibilities for application.

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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