Special Issue

Biodegradable Polymer Nanocomposites

Message from the Guest Editor

In recent years, the development of environmentally-friendly polymeric materials, which are mainly derived from biodegradable polymers from both fossil-fuel and natural resources with excellent physical properties, has received a lot of research attention. These biodegradable polymers include poly(lactic acid), poly(3-hydroxybutyrate), poly(butylene succinate), poly(butylene adipate), poly(butylene succinate-co-adipate), poly(butylene adipate-*co*-terephthalate), and poly(butylene succinate-co-terephthalate). The use of nano-reinforcements in biodegradable polymers has demonstrated significant promise for the design of new sustainable polymeric materials with desired properties. These nano-reinforcements include two-dimensional layered silicates or hydroxide, one-dimensional carbon nanotubes or nanocellulose crystals, zero-dimensional metal or metal oxides nanoparticles, etc. The aim of this Special Issue is to highlight the progress and fundamental aspects for the synthesis, processing procedures, characterization, physical properties, applications, and further developments of biodegradable polymer nanocomposites.

Guest Editor

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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