Special Issue

Biodegradable Polymer Composites: Synthesis and Application

Message from the Guest Editor

The rapid development of specialized applications of polymeric materials in various areas of technology and other aspects of life poses greater qualitative requirements. The common use of these materials implies larger and larger loads of the natural environment. Many scientific and industrial projects focus on the use of plant-based fillers to produce completely biodegradable composites, which offer a promising alternative to global plastic problems. However, biodegradable composites frequently display poor mechanical properties and restricted processing capabilities and end-use applications. In order to overcome these drawbacks and develop advanced materials for a broad range of applications, biocomposites can be reinforced with fillers or nanofillers. Due to their low cost and low density, ease of separation, enhanced energy recovery, biodegradability, and increasing environmental awareness, the use of natural fibers in composites has become increasingly prevalent. They are durable, light-weight, and have mechanical properties better than those of traditional materials. Therefore, in various industries, demand for natural fiber has grown.

Guest Editor

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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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