Special Issue

Preparation, Characterization: The Prospect of Biobased and Biodegradable Polymers

Message from the Guest Editor

The use of polymer materials has expanded to almost all human activities, helping to provide convenient conditions for human life. This is due to their varied advantages, such as light weight, excellent mechanical properties, ease of formation, good thermal properties and water resistance. However, at present, most polymer materials produced by the petrochemical industry have difficulty degrading after use. It is estimated that most synthetic plastics need 400–500 years to completely decompose. Due to concerns about environmental pollution and the depletion of chemical oil, the development of renewable and biodegradable polymers from renewable natural resources has become the direction for the polymer materials industry going forward. The purpose of this Special Issue is to present and collate research on the synthesis, performance and application of bio-based and biodegradable polymers, copolymers, blends, composites and nanocomposites.

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

Prof. Dr. Alexander Böker
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