Topical Collection

Biopolymers and Biopolymer Based Composites: Processing, Properties, Durability

Message from the Collection Editors

This is to present a collection of papers regarding processing, properties, durability of biopolymers including microcomposites, nanocomposites, and blends. There is a growing interest toward the development and applications of polymeric materials, derived from oil or from natural resources, which display specific characteristics such as biodegradability, compostability, and biocompatibility. As well as other polymeric systems, adding a second phase, rigid or flexible, may improve some specific properties (e.g., mechanical properties in the case of rigid fillers) or provide the material with new ones (e.g., by adding functional additives). The aim of this collection is to explore the often unknown relationships between processing variables, the macro–micro–nanomorphology of the materials prepared, and their final properties. The durability of biopolymers is one of the weak spots of these materials. Therefore, contributions dealing with this aspect, including thermomechanical, environmental, photooxidative degradation, and the related stabilization strategies are more than welcome.

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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 4.9.

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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