

Special Issue

Modeling and Characterization of Recycled High-Performance Polymer Materials

Message from the Guest Editors

This Special Issue of *Polymers* is dedicated to the reprocessing and recycling of high-performance polymer materials, with an emphasis on modeling such processes and characterizing said polymer materials. The complex and intriguing mechanical/physical properties of polymeric materials, originating from multiple spatial and temporal scales, call for advanced multiscale computational techniques in order to account for the all-important mechanisms in polymers. Using these to understand the complex structure–processing–property relationships in polymer-based composites and blends helps to further develop polymeric materials. Various polymer materials characterization methods are needed to investigate material properties, often by combining them to extract even more valuable information which would otherwise be inaccessible, and with that deliver the basis for modeling approaches. This Special Issue aims to compile original and cutting-edge research works in the field of the modeling and characterization of reprocessed and recycled high-performance polymer materials.

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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

Prof. Dr. Alexander Böker

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