

Special Issue

Mechanical Behaviors and Properties of Polymer Materials

Message from the Guest Editor

The response of polymers to external or internal forces can vary considerably depending on the magnitude of these forces and the material characteristics. While the stress–strain behaviors of some polymers might look similar to those of metals, polymers are mechanically different to metals. Fully understanding the unique mechanical behaviors and properties of polymers is vital not only to their industrial and engineering applications, but also to the development of novel materials such as polymeric composites, nanocomposites, and additively manufactured polymer products. In particular, improved/appropriate mechanical behaviors and properties are crucial to the successful development of novel materials in which polymer is the major constituent, and this makes the study of the mechanical behaviors and properties of polymers an increasingly active area.

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 4.9.

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

Prof. Dr. Alexander Böker

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