Special Issue

Mechanical Properties and Thermal Analysis of Polymer Materials

Message from the Guest Editor

The mechanical properties of a polymer involve its behavior under stress. Research related to the mechanical characteristics of polymer materials has been the subject of great interest in recent decades. Due to the complex molecular structure of polymers compared to other materials, understanding the mechanical properties concerning molecular interactions is extremely important.

This Special Issue aims to identify the relationship between thermal properties and the mechanical performance of polymers and particle-reinforced polymers (micro- and nanoscale) to offer the research community the most significant advances in this field. Our aim is to understand the fundamental relationships between crystalline processes, manufacturing processes, and the molecular interaction of the constituents in the thermal and mechanical properties of polymeric materials.

Guest Editor

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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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