

Special Issue

Advances in Functional Rubber and Elastomer Composites

Message from the Guest Editor

Rubbers or elastomers are known for their unique stretchability among viscoelastic materials. While stretchability is an important factor for flexible applications, in many advanced cases, it cannot be applicable due to its insufficient mechanical, electrical, thermal, and magnetic properties. In advanced applications, the rubber needs special properties, such as self-healing, electrical conductivity, thermal conductivity, and magnetic properties. To improve these features, either special rubber or filler materials holding special properties can be utilized.

In this Special Issue, we aim to gather knowledge related to the synthesis, characterization, and properties of advanced functional rubbers and elastomers composites for smart mechanical, electrical, magnetic, and other advanced applications. Theoretical discussion and review papers related to advanced rubber composites are also highly welcomed.

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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