

## Special Issue

# New Horizons in Nanofillers Based Polymer Composites II

### Message from the Guest Editors

Without filler and vulcanization, polymers such as rubber-based composites are soft and sticky and exhibit poor mechanical, thermal, and electrical properties, and they are not useful for industrial application. These nanofillers are generally inorganic particles such as carbon nanotube, carbon black, graphene, clay minerals, and silica. With the addition of these nanofillers in small amounts, the desired properties of polymer composites improve massively without significantly altering the hardness and fracture strain of polymer composites. These improved properties may be useful for various practical applications, such as flexible electronics, automobile tires, soft actuators, strain sensors, or energy harvesting. The goal of this Special Issue is to collect literature on the subject of “Nanofiller-Reinforced Polymer Composites”, with topics of interest including the effect of various nanofillers on mechanical, electrical, and thermal properties, as well as the use of the improved properties on industrial applications such as flexible substrates. This issue will guide industrial oriented research and development activities in the field of polymer composites.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2023)



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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