

Special Issue

Advances in Structural and Mechanical Performance of Polymer Composites

Message from the Guest Editors

In recent years, polymer composites have played an increasingly important role in structural applications. The outstanding mechanical performance of polymer composites is optimized by various approaches. Correlating the mechanical performance of polymer composites with their current structural uses and discussing the prospects for their use in new applications is of fundamental interest, both at the academic level and, especially, at the level of practical applications. This Special Issue of the open-access journal *Polymers* aims at collecting state of the art original research papers and reviews on the topic of “Advances in Structural and Mechanical Performance of Polymer Composites”. Topics of interest include, but are not limited to, the following:

- Advantages and disadvantages of using polymer composites in structural applications;
- Development of polymer composites with superior mechanical performance;
- Short-term mechanical properties;
- Long-term fatigue and creep mechanical properties;
- Alternative uses of polymer composites in structural applications;
- Modeling of the mechanical behavior of polymer composites;
- Aging and degradation of polymer composites.

Guest Editors

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About the Journal

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 5.8.

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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