

## Special Issue

# Advanced Polymer Composites: Structure-Property-Processing Relationships

### Message from the Guest Editor

Functional polymer composites are making significant strides in design, synthesis, processing, and promising applications. By using suitable fillers and matrices to create new and attractive properties, functional polymer composites can meet the most difficult standards of users, especially in high-tech industries. From this point of view, the importance of a systematic understanding of the fundamental physical relationship between nanoscale structural variables and macroscopic properties of polymer composites is highlighted. Hence, structure–property–processing relationships are crucial for their future development as innovative advanced polymer composite systems. Advances in functional polymer composites will promote human welfare by creating new solutions and materials to overcome global energy and environmental crises. This Special Issue will cover recent advances concerning structure, property, processing, as well as promising applications of advanced polymer composites. Submitted manuscripts will be fast-track reviewed. Research articles, review articles, perspectives, and communications and letters are also invited.

### Guest Editor

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### Deadline for manuscript submissions

closed (5 December 2022)



## 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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