

## Special Issue

# Damage and Failure Analysis of Polymer-Based Composites

### Message from the Guest Editors

Polymer-based composites have been widely used in aircraft, missiles, automobiles, buildings, and other applications. Studying the damage and failure mechanisms, as well as the destructive performance of polymer-based composites and their structures, can improve the mechanical properties of composite structures, as well as reduce structural weight and total life-cycle costs. Through innovative design and process improvement of composite structures, structural efficiency can be improved and costs can be effectively reduced. Topics of interest for this Special Issue include, but are not limited to, the following: **-Damage and failure mechanism; -Structure performances; -Properties of polymer-based composites under different environments; -Performance of repaired composite structures; -Properties of hybrid composites; -Mechanical performance of composites with different process; -Performance of composite joints.**

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### Guest Editors

Prof. Dr. Xiaoquan Cheng  
Dr. Wenjun Huang  
Dr. Qian Zhang

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### Deadline for manuscript submissions

closed (25 December 2024)



## Polymers

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Impact Factor 4.9  
CiteScore 9.7  
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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 4.9.

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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