

## Special Issue

# Mechanical Properties of Polymer-Based Composites

### Message from the Guest Editors

Polymer-based composites can be found in many industrial applications and everyday life. Due to the inherent molecular structure of the material of matrixes, they exhibit time-dependent mechanical responses, strongly influenced by the inclusion of various particle systems of different types of nature (metallic, non-metallic, etc.), sizes (macro, micro, nano, etc.), geometries (fibres, flakes, spheres, etc.) and so on. These materials exhibit targeted performance in order to ensure compliance with the latest demands, global challenges and perspectives addressed by numerous directives, research initiatives and others. We encourage contributions with critical aspects and the promotion of a comprehensive understanding of the challenges and opportunities in the field of mechanical properties of polymer composites. Your valuable views and research findings will contribute to the advancement of the sustainable use of polymer materials and the mitigation of the harmful effects of plastic waste on our environment.

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### Guest Editors

Prof. Dr. Igor Emri  
Dr. Lidija Slemenik Perše  
Dr. Alen Oseli

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### Deadline for manuscript submissions

closed (31 May 2025)



## Polymers

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Impact Factor 4.9  
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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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