

## Special Issue

# Fibre-Reinforced Polymer Laminates: Structure and Properties

### Message from the Guest Editors

This Special Issue on the structure and properties of fibre-reinforced polymer-based laminates will contain original research and review papers on key topics, including: 1) Industrial applications: aerospace, ground based transportation, marine, renewable energies, civil engineering, sports and leisure, medical, agricultural applications. 2) Materials: fibre-reinforced polymers, prepregs. 3) Structural behaviour: uniaxial testing, bending, impact, multiaxial testing, non-standard experimental methods, anisotropy, fracture and damage, multiscale modelling, short and long fibre composites, buckling and stability, pseudo-ductile composites, application of numerical techniques. This Special Issue focuses on experimental, numerical and analytical studies about fibre-reinforced polymer-based materials with structural applications. In addition to the topics already listed, the issue may also interlock the subjects of Strength of Materials and Continuum Mechanics for practical applications, including constitutive equations, optimization techniques, the Finite Element Method (FEM) or the application of novel experimental methodologies. Both original contributions and reviews are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2026)



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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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