

Special Issue

Multiscale Modelling of Fiber Reinforced Polymer Composites

Message from the Guest Editor

The Special Issue is aimed at manuscripts concerning the multiscale modelling of fibre-reinforced polymer composites. The scope is the prediction of macroscopic thermomechanical properties and the assessment of microstructural phenomena using multiscale modelling techniques. All mechanical phenomena which occur in FRP are considered. Among them are stiffness, strength, the (microstructural) evolution of damage and permanent strain, and their dependency on temperature, humidity, strain rate or crystalline morphology; all forms of FRP; and thermoset, thermoplastic, or vitrimer matrix material reinforced with short or continuous fibres in random, unidirectional or woven geometrical arrangement. Authors are encouraged to validate their model predictions with experimental results.

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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