

Special Issue

Advances in Polymer Matrix Composites: Synthesis, Characterization and Simulation

Message from the Guest Editor

Polymer-matrix composites (PMCs) are becoming more and more prominent in the fields of structural engineering due to their favourable specific properties and design flexibility. As the demand for ever lighter structures increases, especially for the mobility industry, new advances in the synthesis, characterization, and simulation of this important class of advanced materials are expected to have a profound impact towards accelerating their time-to-market and robustness, which will be key for a more sustainable future. This Special Issue aims to collect research papers, communications and review articles with original contributions to the development, production, testing, and modelling of PMCs, with special focus on new classes of fibre-reinforced polymers, such as thermoplastic-based composites, spread-tow thin-ply laminates, nano-reinforced PMCs, hybrid PMCs, and bio-sourced PMCs. Scientists are invited and encouraged to publish their experimental and theoretical results in as much detail as possible.

Guest Editor

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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 4.7.

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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