

Special Issue

Advanced Polymer Matrix Composites: Design, Manufacturing and Analysis

Message from the Guest Editors

Continuous fiber-reinforced thermosetting resin matrix composites have been demonstrated to be successful in aerospace applications. In the past decade, emerging ideas, materials and technologies have brought revolutionary changes to the conventional design, manufacturing and life-cycle evaluation of composite structures. In addition to high-performance behavior, ongoing efforts have been devoted to the production of high-volume, low-cost composites. New developments have even surpassed our original understanding of these materials. This Special Issue aims to collect recent advances in polymer matrix composites (PMCs) with a focus on structural applications, including biomimetic design, additive manufacturing and integrated design and manufacture. Moreover, we are calling for papers related to advanced testing and analysis approaches for PMCs, such as novel experimental characterization, model-/data-driven artificial intelligence and high-fidelity physics modeling.

Guest Editors

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Dr. Jialong Liu

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Deadline for manuscript submissions

closed (31 August 2024)



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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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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