

Special Issue

Design and Sustainability: Polymer Composites via Additive Manufacturing

Message from the Guest Editors

Polymer composites have received extensive attention from the automotive, aerospace, biomedical, sports and civil engineering industries. The intersection between additive manufacturing (AM) and composites has led to the development of lightweight materials and structures, thereby playing a pivotal role in sustainability. This convergence is increasingly utilized to fabricate structural composites that not only exhibit superior mechanical properties, but also introduce innovative features. This Special Issue aims to gather original research and review papers on the latest advancements in the additive manufacturing of polymer composites; the scope of this Special Issue includes, but is not limited to, mathematical/physical modelling, the design and analysis of composite structures, novel experimental and manufacturing methods, and the exploration of applications in lightweighting, multifunctionality, energy efficiency, and sustainability. Contributions focusing on material innovation/design and experimental aspects of AM composite materials are also welcome.

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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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