Special Issue

Research on the Mechanical Properties of Additively Manufactured Polymers

Message from the Guest Editors

Additive manufacturing (AM), also known as 3D printing, has emerged as a promising technology for fabricating polymer-based products with complex geometries. The flexibility in fabrication offered by AM also brings complex mechanical properties. Research on these properties is important for understanding the limitations and potential of AM technology for various applications. Improved mechanical properties of printed parts also expand the range of polymeric applications for AM technology in various fields, such as aerospace, the automotive industry, and biomedical engineering. The mechanical properties of AM polymers are strongly influenced by various process parameters. Therefore, it is important to investigate the effect of these parameters on the mechanical properties of the printed parts. This Special Issue aims to provide an overview of the recent advances in the mechanical properties of additively manufactured polymers, covering a range of topics, such as the material characterisation of AM polymeric structures and the optimisation of process parameters to improve the mechanical properties.

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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 4.7.

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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