Special Issue

Mechanical Properties of 3D Printed Polymer Composites

Message from the Guest Editors

Composites within this issue are engineered materials composed of two or more constituents that meet requirements that a single material cannot fulfill. A polymer is expected to be a matrix reinforced by short or long fibers, containers, particles, or fillers. The particles or fillers can be metallic, ceramic, mineral, synthetic, natural, or bio-based and may possess one or more nano-scale dimensions. The composites are considered on the various structural levels of modification with nanoparticles, micro-composites, and macro-level, including hybrids. Special attention is paid to recycled composites or constituents, reused fibers, etc. Experimental research and modeling of the mechanical properties are welcome. Contributors are invited not to limit their research to “easy-to-get” quasistatic tensile tests but also to more labor-consuming creep or fatigue tests. Concerning modeling, not only FEM is an instrument. Please consider classical (or not only) analytical modeling as well.

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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

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