



Fatigue and Experimental Analysis of Printed Polymer Specimens

Guest Editor:

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Message from the Guest Editor

In recent years, fused filament fabrication (FFF) as a form of additive manufacturing (AM) has become a popular method for the manufacture of prototypes, as well as functional parts. Although many research papers cover the subject of the determination of mechanical properties and characteristics of polymer-based specimens, theoretically and experimentally, there is a lack of research and scientific papers dealing with the problematics of S–N curves based on the fatigue, torsional fatigue and the rotating bending fatigue analysis of those polymer materials.

The object of this Special Issue is to address issues related to the aforementioned problems concerning polymers. Areas to be covered in this Special Issue may include, but are not limited to:

- Torsional, rotational bending fatigue test methods;
- Standard fatigue test methods;
- Tensile and creep testing under different conditions;
- Crack initiation and propagation;
- Surface fracture analysis.

Different approaches, i.e., analytical, numerical, and experimental, are encouraged and welcome.





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Message from the Editor-in-Chief

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