Special Issue

Additive Manufacturing of Polymers and Polymer-Based Composites

Message from the Guest Editors

Additive manufacturing (AM), also known as three-dimensional (3D) printing, is a layer-by-layer manufacturing technology that has been widely used to fabricate intricate structures with complex and/or customized architectures. Commonly used polymer-based 3D printing techniques encompass extrusion, digital light/lasers, and inkjet-based 3D printing. Carbon-, metal-, and ceramic-based nanomaterials, with at least one dimension sized between 1 and 100 nm, can be integrated into polymer-based AM systems, in which nanomaterials are dispersed in a polymer matrix to fabricate objects with desired and improved performance, such as enhanced mechanical, optical, electrical, and biological properties. These 3D-printed polymer–nanomaterial integrations can find a variety of applications in the biomedical, electronics, automotive, aerospace, and construction fields. Hence, developing nanomaterial-integrated polymer-based AM systems has been of great interest to researchers.

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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 4.9.

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

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