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3D Printing of Polymeric Materials

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Message from the Guest Editors

Nowadays, plenty of scientific fields demand the 3D printing of polymeric materials, from the aircraft and airspace field to the medical field. Furthermore, the merge of multimaterial 3D printing allows for control of the mechanical properties desired for a specific application. In the case of the airspace and automotive sectors, reinforcement of the polymer matrix with metallic continuous fibers and/or nanoparticles by using 3D printing technology enhances the mechanical stress and strain of the 3D printed structure. In the medical field, the fabrication of metallic polymer composites scaffolds biocompatible with cellular tissue and with enhanced mechanical properties facilitates the elimination of biodegraded prosthesis implants in the blood torrent after some programmed time.

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Dr. Guangzhong Yin
Guest Editors



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Message from the Editor-in-Chief

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