Special Issue

3D Printing of Polymeric Materials

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. Please see more details via the special issue website at https://www.mdpi.com/journal/materials/special_issues/BY71YFCK04 It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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