Special Issue

Design of Multifunctional Composites and Their 3D-Printing Technology

Message from the Guest Editors

In recent years, recycling plastics has become a crucial environmental and waste management concern. The goal is to reuse them to produce new items through 3D printing. Three-dimensional printing is especially significant due to its low energy consumption, high efficiency, and easy customization as an advanced production technology. Additive manufacturing has a wide range of applications, including biomedical, arts, automotive, and aerospace industries. Each field requires materials with specific requirements for the fabrication of prototypes and functional parts. This Special Issue focuses on recent advances in new materials for additive manufacturing and new composites with characteristic properties for applications in additive manufacturing. Understanding these properties is essential for identifying the potential applications of these materials.

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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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