Special Issue

Research Progress in Additive Manufacturing: Materials and Technology

Message from the Guest Editors

Additive manufacturing is a pacemaker technique in the field of manufacturing today. It encompasses the fabrication of a different kind of 3D object by adding both polymers and metallic material layer by layer irrespective of the shape and size (intricate objects). This technology has been the state of the art over the last 20 years, and it is now favored over the conventional manufacturing process for developing complex products with minimal cost and effort. Commonly, additive manufacturing uses modern technology such as CAD, CNC, and simulation software for fabricating different material objects. Additive manufacturing involves various steps while developing the real physical object. The development of a realistic object begins with the selection of raw material, a specific additive manufacturing process, design procedures, and layout section followed by post-processing requirements. Products developed using the additive manufacturing technique have tremendous advantages, such as low material and energy wastage, compared to traditional methods [...].

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Deadline for manuscript submissions

closed (20 January 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/143860

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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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