Special Issue

Development of Advanced Materials Using Additive Manufacturing Technologies

Message from the Guest Editors

Additive manufacturing (AM) technology has revolutionized the design and fabrication of products by enabling the development of novel materials to achieve multi-functional properties. Advanced materials and multiscale structures have enabled the optimization of the overall properties of components. Despite researchers' continued efforts, materials suitable for AM processes still appear to be a major bottleneck in its acceptance for use in manufacturing industries and other sectors involving the customization and personalization of products. This Special Issue, will provide a platform for researchers and practitioners to share novel ideas and research regarding the design, processing, and characterization of novel and advanced materials, such as high-performance polymers, composite materials, metallic alloys, high-entropy alloys, biomaterials, and functional ceramics, using AM technologies. We invite authors to submit full-length articles with original research, review papers, and communications for inclusion this Special Issue focusing on the development of advanced materials using AM technologies

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Message from the Editor-in-Chief

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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