Special Issue

New Advances in Additive Manufacturing Technology

Message from the Guest Editors

Additive manufacturing is a pillar of Industry 4.0. This technology allows engineers to obtain very complex components, which are impossible to fabricate with other technologies. The advantages in terms of geometrical fidelity, flexibility in materials, product performance, weight reduction, and customization have attracted an increasing amount of interest in many sectors of industry and in the medical field. This Special Issue aims to offer an exchange platform for researchers and practitioners to address relevant advances in additive manufacturing. In this Issue, modern trends of technologies, new applications in industry and medicine, strategies, and manufacturing approaches, including process optimization, innovative materials, product properties, surface finishing, and treatments, are highlighted and discussed. Scientific contributions dealing with computational approaches for modeling the process, environmental impact analysis, and other manufacturing processes to establish differences and possible similarities are welcome.

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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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