Special Issue

Additive Manufacturing of Polymers: Materials and Applications

Message from the Guest Editor

Among the different additive manufacturing technologies, those based on polymers represent the largest proportion in volume. This huge interest has resulted in an intensive research effort in both industry and academia, leading to the publication of many scientific papers during the last years. The topics covered by this special issue range from polymer materials for additive manufacturing to studies of the process up to applications of additive manufacturing. The topics of interest include but are not limited to:

- Novel and specific materials for AM, influence of polymer characteristics
- Structure and microstructure evolution of AM parts, Influence of processing strategies on microstructure
- Optimization of AM processes, process monitoring, and control
- Innovative applications of AM parts e.g. for high temperature or high performance polymers
- 3D Bioprinting, 4D printing, additive manufacturing of multimaterials, composite additive manufacturing
- Medical applications, novel applications of AM
- Innovative AM technologies in aerospace, energy, transport

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2023)

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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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