



## Sustainable 3D Printing for Smart Manufacturing and Production

Guest Editor:

**Prof. Dr. John D. Kechagias**

Department of FWSD (Design & Manufacturing Lab), School of Technology, University of Thessaly, 41500 Gaiopolis, Greece

Deadline for manuscript submissions:

**closed (31 August 2023)**

### Message from the Guest Editor

Three-dimensional (3D) printing utilizing low-cost FFF material extrusion technology has become a topic of elevated interest in recent years from both academic and industrial points of view, with increasing importance within the digital manufacturing context. At present, many materials are used in the FFF material extrusion 3D printing, and their range is expanding rapidly. Recently, plastics, metals, ceramics, composites, and biological, nano, and green materials have been increasingly used.

Smart 3D printing can optimize 3D printing parameters to improve the 3D printed parts' sustainability in terms of cost, time, quality, and energy, and can help to eliminate carbon emissions to the environment.





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Faculty of Engineering and  
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Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

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*Sustainability* Editorial Office  
MDPI, St. Alban-Anlage 66  
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