



*materials*



an Open Access Journal by MDPI

## Selective Laser Sintering (SLS) of Materials

Guest Editors:

**Prof. Dr. Ioanna Zergioti**

Institute of Communication and Computer Systems (ICCS), National Technical University of Athens, Heroon Polytehneiou 9, 15780 Athens, Greece

**Prof. Costas P. Grigoropoulos**

Department of Mechanical Engineering, 6129 Etchevery Hall, University of California, Berkeley, CA 94720-1740, USA

Deadline for manuscript submissions:

**closed (31 March 2019)**

### Message from the Guest Editors

Selective Laser Sintering (SLS) has been effectively utilized over the past 15 years as a microcuring process for the fabrication of solid patterns with supreme electrical and mechanical properties. Unlike conventional sintering in an oven, which affects the entirety of a sample, SLS is a digital process offering a high resolution, as the laser irradiated heat-affected zone is extremely short and, therefore, associated thermal damage to the substrate or adjacent layers is substantially reduced.

For further information, please click:

[http://www.mdpi.com/journal/materials/special\\_issues/selective\\_laser\\_sintering](http://www.mdpi.com/journal/materials/special_issues/selective_laser_sintering)

Prof. Ioanna Zergioti  
Prof. Costas P. Grigoropoulos  
*Guest Editors*



[mdpi.com/si/13432](http://mdpi.com/si/13432)

**Special** issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)