



*materials*



an Open Access Journal by MDPI

## Advanced Materials and Devices in Solid State Lighting

Guest Editors:

**Dr. Nicola Trivellin**

LightCube SRL, Univ Padua, Dept  
Informat Engn, Padova, Italy

**Prof. Dr. Matteo Meneghini**

Department of Information  
Engineering, University of  
Padova, Via Gradenigo 6/B, I-  
35131 Padova, Italy

Deadline for manuscript  
submissions:

**closed (31 August 2019)**

### Message from the Guest Editors

Dear colleague,

Solid State Lighting is becoming the leading technology in the lighting industry. In such a growing field, new devices and advanced materials allow for the improvement of efficiency, reliability and performances, but also develop new functionalities, product usage, cost and pollution reduction. Driven by an ongoing multi-field research, Solid State Lighting demands for the development of different technologies: Efficient and reliable light emitting devices, thermal management systems, control systems and devices for new functionalities, optical solutions for beam shaping, as long as the development of technologies to bridge the gap between lighting systems and the human circadian rhythm.

We propose this Special Issue as an excellent opportunity for those who are studying and working with the materials and devices involved in Solid State Lighting applications to reflect recent theoretical and practical developments of this intriguing field. Research articles, reviews and communications relating to theory, simulation, processes, properties, characterization and applications of materials and devices for Solid State Lighting are all invited for this Special Issue.



[mdpi.com/si/17574](https://mdpi.com/si/17574)

# 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 - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
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)