



## Light Emitting Diode

Guest Editor:

**Prof. Dr. Min-ki Kwon**

Department of Photonic  
Engineering, Chosun University,  
Gwangju 501-759, Korea

Deadline for manuscript  
submissions:

**closed (10 January 2022)**

### Message from the Guest Editor

Dear Colleagues,

Dramatic improvements of quantum efficiency of light-emitting diodes can make it possible to expand their applications to versatile fields, such as display, solid-state lighting, and environmental, agricultural, and medical applications. The Special Issue on Light Emitting Diodes will offer an attractive forum to reflect the most recent theoretical and practical developments in the field of light-emitting diodes. The topics of this Special Issue include, but are not limited to, the following: Growth and design, Light emitting device optimization, Fabrication, Performance and reliability, Efficiency droop, Nanostructures and optical devices, Nanowire LEDs, Substrates for light-emitting devices

Phosphors for solid-state lighting, Applications of LEDs, Defects in LEDs, Simulation and optimization of LEDs.

Prof. Dr. Min-ki Kwon

*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

*Applied Sciences* 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/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
X@Applsci