



## State-of-the-Art of Luminescent Nanomaterials

Guest Editors:

**Prof. Dr. Weiyong Yu**

School of Chemistry and  
Chemical Engineering, Shandong  
University, Jinan 250100, China

**Dr. Xiangtong Zhang**

School of Materials and  
Engineering, Henan University,  
Kaifeng 475000, China

**Prof. Dr. Felix Jaetae Seo**

Department of Physics, Hampton  
University, Hampton, VA 23668,  
USA

Deadline for manuscript  
submissions:

**closed (20 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

Various nanomaterials can emit light upon external stimulation. These nanomaterials are useful in sensing, imaging, and device fabrication. This Special Issue encourages researchers to present their recent research outcomes on the fundamental and applied aspects of all forms of the luminescent nanomaterials, including syntheses, optical properties, emission mechanisms, device fabrication, and applications.

### Keywords:

- quantum dot
- carbon dot
- AIE
- metal
- polymer dot
- rare earth
- chemiluminescence
- electroluminescence
- photoluminescence
- absorption
- emission
- excitation





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), Ei Compindex, Inspec, CAPlus / SciFinder, and other databases.

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

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
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](https://twitter.com/Applsci)