



## Nanoscience and Nanotechnology in Materials Science

Guest Editor:

**Dr. Venkat Padmanabhan**

Tennessee Technological  
University

Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editor

Nanoscience and nanotechnology provide us with the ability to understand and manipulate materials at nanometer scales, which often results in distinctive physical and chemical properties at a macroscopic level. The quantum mechanical effects, where the electronic properties of atoms are altered, become pronounced as the system size decreases.

The main focus of this Issue is on fundamental and applied research pertaining to nanomaterials, molecular nanotechnology, nanodevices, nanoelectronics, nanomedicine, nanorobotics, quantum nanoscience, and green nanotechnology.





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 - Q1 (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](#)