



*sensors*



an Open Access Journal by MDPI

## Advanced Materials for Sensing Applications

Guest Editor:

**Dr. Jun Young Cheong**

Department of Materials Science  
and Engineering, Korea  
Advanced Institute of Science  
and Technology (KAIST), 291  
Daehak-ro, Yuseong-gu, Daejeon  
34141, Korea

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

Dear Colleagues,

Recent advances in material design, particularly in the field of nanotechnology, have triggered significant research progress. Attributed to the high surface to volume ratio, aspect ratio, and surface area arising from nanostructured materials, they are shown to exhibit unusual physicochemical properties in comparison with their bulk counterparts. Especially, due to health and environmental concerns, several sensors, ranging from gas sensors to biosensors, have actively taken place, and more improved performance was achieved when rationally designed nanostructured materials were carefully employed for sensing applications. This Special Issue of *Sensors* will be dedicated to summarizing and highlighting some recent research advances in employing nanostructured materials for various sensor applications, ranging from gas sensors to biosensors.



[mdpi.com/si/60571](https://mdpi.com/si/60571)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 Bari, Italy

## Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

## 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](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

**Journal Rank**: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

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

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

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)