



*sensors*



an Open Access Journal by MDPI

## Advanced Sensing Technologies in Photovoltaic Systems

Guest Editor:

**Prof. Dr. Manuel Fuentes Conde**

IDEA Research Group, Electronics and Automation Engineering Department, High Polytechnic School of Linares, University of Jaén Campus Científico-Tecnológico, Avd. Universidad s/n, D-113 23700 Jaén, Spain

Deadline for manuscript submissions:

**closed (20 June 2022)**

### Message from the Guest Editor

Dear Colleagues,

In recent years, the fast evolution of renewable energies and, particularly, of the solar photovoltaic (PV) technology has led to a proliferation of PV installations throughout the world, mainly due to their successful interconnection to the grid, its competitive price, and its efficiency improvement. PV generation systems present challenges but also offer new opportunities related to their electronic components and their applications.

The field of PV sensors and their applications requires monitoring processes in real time and in any location, possibly at a low cost. The application of Internet of Things (IoT) can promote the use of this type of sensors. The greatest challenge is to develop PV sensors with enhanced performance so to enable their widespread penetration.

The scope of this Special Issue is to highlight recent advances in materials for sensors, as well as in concepts, development, testing, and modeling of sensors based on or applied to photovoltaics.

For more information, please click: [mdpi.com/si/80011](https://mdpi.com/si/80011)



[mdpi.com/si/80011](https://mdpi.com/si/80011)

**Special** Issue



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

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

Dipartimento di Ingegneria  
Elettrica e dell'Informazione  
(Department of Electrical and  
Information Engineering),  
Politecnico di Bari, Via Edoardo  
Orabona n. 4, 70125 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 (*Chemistry, Analytical*) / 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](#)