

## Special Issue

# Wireless Sensor Networks for Water and Environmental Monitoring

### Message from the Guest Editor

In the era of big data and the Internet of things, wireless sensor networks are essential for generating data. The use of wireless sensor networks (WSN) for environmental monitoring can provide an excellent tool to analyze the changes and impacts caused by human activity. Even the use of WSN for water and environmental monitoring is not a new idea; we can find several gaps in the current proposals. The current high-cost of sensors and nodes, the elevate power consumption, and the requirement of maintenance are some of the outstanding issues. Furthermore, the coexistence of several communication technologies with different characteristics (bandwidth, coverage, and power consumption) is another topic that must be addressed when designing a WSN. This Special Issue will collect the latest advances in WSN for water and environment monitoring, including, but not limited to, design and calibration of new sensors, development of WSN for innovative applications, or performance of deployed WSN for long term monitoring.

### Guest Editor

Dr. Lorena Parra

Research Institute for Integrated Management of Coastal Areas (IGIC),  
Universitat Politècnica de València, 46022 València, Spain

### Deadline for manuscript submissions

closed (30 July 2021)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/47445](https://mdpi.com/si/47445)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)



## About the Journal

### 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.

---

### 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

---

### 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)