



sensors



an Open Access Journal by MDPI

Wireless Sensor Networks for Water and Environmental 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)

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 elevated 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.



mdpi.com/si/47445

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)