



sensors



an Open Access Journal by MDPI

Wireless Sensor Networks for Environmental Monitoring

Guest Editors:

Dr. Annie Lanzolla

Department of Electrical and Information Engineering,
Polytechnic University of Bari,
70125 Bari, Italy

Dr. Maurizio Spadavecchia

Department of Electrical and Information Engineering,
Politecnico di Bari, Bari, Italy

Deadline for manuscript
submissions:

closed (10 December 2020)

Message from the Guest Editors

Environmental monitoring is fundamental to understand our ecosystem, to prevent adverse effects on human health and environment, and as a tool to evaluate the effectiveness of regulations. Recent advances in technology, instrumentation, and procedures have pushed forward laboratory capabilities in testing and analyzing soil, water, gas, and biota specimens and have created new opportunities for real-time monitoring through, for example, distributed sensor networks or wireless sensor networks. These architectures are widely used in environmental monitoring because they offer many important benefits, such as real time access to data, covering wide areas, long term monitoring and system scalability.

This Special Issue aims to survey and discuss the state of the art, difficulties, innovations, and improvements on environmental data acquisition, monitoring, analysis, and risk assessment and management. The observed trends in the pollution of soil, air, and water, the global warming and the increased awareness of environmental themes urge scientists to work on effective methods to be able to detect and react to environmental parameter changes in a timely and authoritative manner.



mdpi.com/si/31231

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](#)