Topical Collection

Sensors for Air Quality Monitoring

Message from the Collection Editors

New sensors to detect air pollutants are available and applied in different areas of atmospheric observations. These sensors are not only small, lightweight, fast, and cheap, but also relatively unstable and inaccurate. It is time to provide an overview about - The possibilities and shortcomings of the new sensing techniques and applications; - The methodologies to overcome their disadvantages; - The solutions to integrate networks of these sensors into the existing, well-calibrated air-quality monitoring networks; - The solutions to use them for air-quality monitoring; and - Their application to new tasks such as the detection of air pollution hot spots or the evaluation of emission inventories and numerical air pollution simulations. So, we ask physicists, chemists, engineers, information scientists, and corresponding researchers to send in their papers for this Special Issue.

Collection Editors

Prof. Dr. Klaus Schäfer

Atmospheric Physics Consultant, 82467 Garmisch-Partenkirchen, Germany

Dr. Matthias Budde

Karlsruhe Institute of Technology, 76131 Karlsruhe, Germany

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/33882

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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

MDPI

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)