

Special Issue

New Trends in Sensing and Structural Health Monitoring for New and Existing Structures

Message from the Guest Editors

This Special Issue highlights the latest advancements and developments in the field of sensing and structural health monitoring (SHM) for both new and existing infrastructure. In the context of climate change and frequent natural hazards, these new trends are being developed towards a safer, more resilient, and more sustainable infrastructure.

The Special Issue welcomes submissions on the following topics:

- structural health monitoring
- infrastructure
- acoustic sensing
- defect imaging
- thermal imaging
- sensor development
- machine learning
- signal processing
- non-destructive testing
- composite inspection
- material characterization
- real-time monitoring

If you want to learn more details, please contact Peter Wang (peter.wang@mdpi.com).

Guest Editors

Dr. Dan Su

Dr. Komarizadehasl Seyedmilad

Dr. Ye Xia

Deadline for manuscript submissions

20 March 2026



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/245661

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)