

## Special Issue

# Advanced Sensing Technologies in Geotechnical Engineering—2nd Edition

### Message from the Guest Editors

The first edition of the ‘Advanced Sensing Technologies in Geotechnical Engineering’ Special Issue gained large success, with many papers published, dealing with various aspects of geotechnical monitoring. Owing to the success of the first volume, we have edited this second one, which aims to collect and present latest innovative research on in situ and remote sensing technologies in the fields of geotechnical engineering, geology, hydrogeology, environmental engineering, and geodesy, which enhance the knowledge and understanding of soil and rock behaviour during and after construction works or geo-hazards. In addition, omnipresent climate changes significantly influence the behaviour of soil, rock, and geotechnical structures, where the prediction of their response should be based on the monitoring data. The overall aim of this Special Issue of *Sensors* is to provide new insights, advances, and approaches in the application of original and innovative sensing technologies in field of geotechnical engineering and other related geo-sciences.

### Guest Editors

Dr. Mario Bačić

Prof. Dr. Meho-Saša Kovačević

Prof. Dr. Kenneth Gavin

Dr. Vassilis Marinos

Prof. Dr. Tadeusz Stepinski

### Deadline for manuscript submissions

25 August 2025



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/182714](https://mdpi.com/si/182714)

*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)