



Advanced Sensors for Monitoring and Detection in Geotechnical Engineering

Guest Editors:

Prof. Dr. Kuihua Wang

College of Civil Engineering and Architecture, Zhejiang University, Hangzhou 310058, China

Dr. Juntao Wu

College of Civil Engineering and Architecture, Zhejiang University, Hangzhou 310058, China

Deadline for manuscript submissions:

25 August 2026

Message from the Guest Editors

In geotechnical engineering, monitoring and detection technology is the essence of engineering design, long-term safety, and post-disaster reinforcement. In the past decade, with the rapid development of deep-earth and deep-sea resources, the construction and service environment of underground structures have become even more severe, which accordingly poses more challenges for geotechnical testing. Fortunately, benefiting from the emergence of high-performance materials, the invention of new instruments in the field of artificial intelligence algorithms, as well as monitoring and detection technology applied to geotechnical engineering, has led to significant progress in this regard.

In this Special Issue, we sincerely invite you to submit articles exploring cutting-edge research and recent advances in the field of monitoring and detection techniques applied to geotechnical engineering. Theoretical and experimental studies are welcome, as well as comprehensive reviews and survey papers.

For more details, please visit [here](#).





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](#)