



*sensors*



an Open Access Journal by MDPI

## Sensor Solutions towards Climate-Resilient and Sustainable Cities

Guest Editors:

**Prof. Dr. Maria Tsakiri**

School of Rural and Surveying  
Engineering, National Technical  
University of Athens (NTUA),  
15780 Zographos, Greece  
mtsakiri@central.ntua.gr

**Assist. Prof. Dr. George  
Hloupis**

Department of Surveying and  
Geoinformatics  
Engineering University of West  
Attica Egaleo Campus,  
Ag.Spyridonos Str., 12210,  
Egaleo, Greece  
hloupis@uniwa.gr

Deadline for manuscript  
submissions:

**31 December 2021**

### Message from the Guest Editors

This Special Issue will examine the state-of-the-art applications and future directions in sensor technology and applications focusing in climate resiliency, sustainability, and well-being scenarios. Potential topics include, but are not limited to:

- Sensors to increase the resilience of new buildings—cultural monuments and the protection of existing monuments
- Air quality and sound pollution sensing
- Community-based sensing
- Low-cost infrastructure for city sensors
- Energy harvesting and efficiency for sensor solutions
- Real-time analytics of heterogeneous spatiotemporal data for the prediction and detection of unusual patterns
- Early warning systems for natural and anthropogenic disasters
- Urban mobility data management and visualization
- Sensing for well-being applications
- Design tools for determining optimal locations of sensors for urban resilience
- Case studies of successful deployment of sensing solutions for smart and resilient cities
- Ethical issues, security, and privacy in city sensor systems and applications



[mdpi.com/si/45489](https://mdpi.com/si/45489)

# Special Issue



# sensors



an Open Access Journal by MDPI

## Editors-in-Chief

**Prof. Dr. Assefa M. Melesse**

**Dr. Alexander Star**

**Prof. Dr. Mehmet Rasit Yuce**

**Prof. Dr. Eduard Llobet**

**Prof. Dr. Guillermo Villanueva**

**Prof. Dr. Vittorio M.N. Passaro**

**Dr. Davide Brunelli**

**Dr. Raffaele Bruno**

**Prof. Dr. Roozbeh Ghaffari**

**Prof. Dr. Xianbin Wang**

**Prof. Dr. Mengdao Xing**

## Message from the Editorial Board

*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](#), [Embase](#), [Ei Compindex](#), [Inspec](#), and many [other databases](#).

**Journal Rank**: [JCR](#) - Q1 (*Instruments & Instrumentation*) / [CiteScore](#) - Q1 (*Instrumentation*)

## Contact Us

---

*Sensors*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
Fax: +41 61 302 89 18  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[@Sensors\\_MDPI](#)