

## Special Issue

# Advancing Land Monitoring through Synergistic Harmonization of Optical, Radar and Lidar Satellite Technologies

### Message from the Guest Editor

Land monitoring involves observing, measuring, and analyzing the Earth's surface to understand its characteristics. It's gaining importance due to sustainable resource management, technology advancements, and environmental concerns. Integrating optical, radar, and lidar satellite observations can enhance monitoring accuracy, but challenges exist. Developing algorithms to combine different sensor data and ensuring temporal consistency are primary challenges. Interpreting complex data accurately and improving radar and lidar resolution are also important. Addressing these challenges will enable comprehensive land monitoring, aiding climate response, disaster management, and sustainable environmental practices. Contributions in the form of original articles, reviews, and perspectives are invited from researchers and practitioners working on developing algorithms, improving existing techniques, and applying these methods to diverse geographical regions and ecological settings, offering unprecedented insights into our changing world. We thank you in advance for your contributions to this Special Issue.

### Guest Editor

Dr. Ram C. Sharma

Department of Informatics, Tokyo University of Information Sciences, 4-1 Onaridai, Wakaba-ku, Chiba 265-8501, Japan

### Deadline for manuscript submissions

closed (31 July 2025)



## Sensors

an Open Access Journal  
by MDPI

Impact Factor 3.5  
CiteScore 8.2  
Indexed in PubMed



[mdpi.com/si/194762](https://mdpi.com/si/194762)

*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)