

## Special Issue

# Artificial Intelligence in Remote Sensing: Advancing Geospatial Analysis for Environmental Monitoring

### Message from the Guest Editors

This Special Issue aims to explore and showcase cutting-edge applications of artificial intelligence (AI) in remote sensing and geospatial analysis for environmental monitoring. We seek to highlight how AI technologies are revolutionizing our ability to collect, process, analyze, and interpret large-scale environmental data from various remote sensing platforms. The Special Issue will cover a wide range of topics, including, but not limited to, the following:

- Machine learning and deep learning for satellite image analysis;
- AI-driven change detection in time-series remote sensing data;
- Multi-sensor data fusion using AI techniques;
- AI applications in hyperspectral image analysis;
- Object detection and tracking in remote sensing imagery;
- AI-powered predictive modeling for environmental phenomena;
- Natural language processing for geospatial metadata analysis.

---

### Guest Editors

Dr. Sungkwan Youm

Dr. Eui-Jik Kim

Dr. Taeyoon Kim

---

### Deadline for manuscript submissions

20 August 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/214538](https://mdpi.com/si/214538)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls-ci@mdpi.com](mailto:appls-ci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[appls-ci](https://appls-ci.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )