



## Land Deformation and Engineering Structural Health Monitoring Using Geo-Spatial Technologies

Guest Editors:

**Dr. Teng-To Yu**

Department of Resources  
Engineering, National Cheng  
Kung University, No. 1, University  
Road, Tainan City 70101, Taiwan

**Dr. Wen Liu**

Department of Urban  
Environmental System, Chiba  
University, Chiba, Japan

Deadline for manuscript  
submissions:

**closed (20 May 2024)**

### Message from the Guest Editors

Land deformation could be result from a geo-hazard event or can serve as an early warning sign for an upcoming catastrophic landslide or subsidence. It is a location-based phenomenon that possesses temporal variation as well. The deformed land causes damage to engineering structures, and the examination of their health condition is also a challenging task after any major hazard event. GIS, free satellite images, and radar data, as well as drone deployment, make the spatial technology not just easy to access but also popular. Deformation patterns or trends could be established by machine learning, and thus the failing engineering structure can be precisely located in a very short time after the event. Any studies on methods or technology that are related to this topic are highly welcome to be submitted to this Special Issue, and case reports are also welcome.





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Prasad S. Thenkabail

Senior Scientist (ST), U. S.  
Geological Survey (USGS), USGS  
Western Geographic Science  
Center (WGSC), 2255, N. Gemini  
Dr., Flagstaff, AZ 86001, USA

## Message from the Editor-in-Chief

*Remote Sensing* is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

## 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, PubAg, GeoRef, Astrophysics Data System, Inspec, dblp, and other databases.

**Journal Rank:** JCR - Q1 (*Geosciences, Multidisciplinary*) / CiteScore - Q1 (*General Earth and Planetary Sciences*)

## Contact Us

*Remote Sensing* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

[mdpi.com/journal/remotesensing](http://mdpi.com/journal/remotesensing)  
[remotesensing@mdpi.com](mailto:remotesensing@mdpi.com)  
[X@RemoteSens\\_MDPI](https://twitter.com/RemoteSens_MDPI)