



Artificial Intelligence, Big Data and Computer Vision in Remote Sensing for Natural Disaster Impact Assessment

Guest Editors:

Prof. Dr. Turgay Celik

Prof. Dr. Terence Van Zyl

Prof. Dr. Elif Sertel

Prof. Dr. Chang-Wook Lee

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

Natural disasters are extreme events within the Earth's system that may have a catastrophic impact on the environment and humanity. Efficient disaster management is crucial in the aftermath of a disaster for a speedy recovery with minimal possible loss. Effective recovery planning requires fast and accurate disaster impact assessment, and remote sensing provides big data to facilitate such assessments. This Special Issue focuses on open big data, computer vision, and artificial intelligence methods that can be used to process remote sensing data for aftermath impact assessment.

Keywords:

- Computer vision
- Big data
- Artificial intelligence
- Remote sensing
- Disaster impact assessment
- Disaster management
- Change detection
- Object recognition
- Open data

For more information:

<https://www.mdpi.com/si/68463>





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, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/remotesensing
remotesensing@mdpi.com
[X@RemoteSens_MDPI](https://twitter.com/RemoteSens_MDPI)