Special Issue

SAR Imagery for Landslide Detection and Prediction

Message from the Guest Editors

In recent decades, satellite remote sensing has been established to measure surface displacements due to natural and human-induced processes. This tool has been improved with the synthetic aperture radar (SAR) technique. Thanks to this technique, millimetric–centimetric ground deformations can be measured, furnishing a fundamental tool for detecting and monitoring ground surface deformations related to landslides and for studying the trends of evolution of these phenomena.

SAR-based techniques have also been developed for the identification of landslides triggered in consequence of a particular event, allowing to create inventories and databases, overcoming the intrinsic limitation of the traditionally used optical images due to the cloud cover.

This Special Issue aims at collecting new developments and methodologies, best practices, and applications of SAR imagery for the detection of landslides, the characterization of landslide displacements, and the prediction of new landslides triggering or of the evolution of displacement trends.

Guest Editors

Dr. Massimiliano Bordoni

Prof. Dr. Claudia Meisina

Dr. Roberta Bonì

Deadline for manuscript submissions

closed (31 July 2021)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/43246

Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

mdpi.com/journal/remotesensing

MDPI

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/journal/remotesensing

About the Journal

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.

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

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)