

Special Issue

Ground and Structural Deformations Monitoring Systems Integrating Remote Sensing and Ground-Based Data

Message from the Guest Editors

Ground deformation represents a growing problem that affects hundreds of millions of people worldwide. The surface changes due to landslides, volcanic activities, land subsidence, etc., can lead to structural damage of buildings and infrastructures, loss of extensive agricultural and/or natural areas, the rise of salt wedges, and the regression of coastlines, and can have a significant economic and social impact. Ground deformation monitoring plays a key role in the management of such natural hazards by providing cost-effective solutions for risk mitigation strategies. This Special Issue of Remote Sensing is devoted to all topics related to ground (including landslides, land subsidence, coastal erosion, etc.) and structural (civil structures, e.g., buildings, bridges, dams, etc.) deformation monitoring systems using remote sensing techniques (in particular, but not limited, to InSAR) complemented with ground-based data (e.g., GNSS, precise leveling, structure from motion photogrammetry, terrestrial laser scanning), including measurements from airplanes, helicopters, and drones.

Guest Editors

Dr. Massimo Fabris

Department of Civil, Environmental and Architectural Engineering-ICEA,
University of Padova, 35122 Padova, Italy

Dr. Mario Floris

Department of Geosciences, University of Padua, 35122 Padua, Italy

Deadline for manuscript submissions

closed (31 December 2022)



Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



mdpi.com/si/89293

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

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





Remote Sensing

an Open Access Journal
by MDPI

Impact Factor 4.2
CiteScore 8.3



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