



Monitoring Land Subsidence Using Remote Sensing

Guest Editors:

Dr. Massimo Fabris

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

Dr. Nicola Cenni

Independent Researcher,
Padova, Italy

Dr. Simone Fiaschi

UCD School of Earth Sciences,
University College Dublin, Dublin,
Ireland

Deadline for manuscript
submissions:

closed (31 December 2020)

Message from the Guest Editors

Land subsidence represents a growing problem that affects hundreds of millions of people worldwide. The loss of surface elevation 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. This negative impact can be further aggravated by climate changes (e.g., sea level rise), in particular in low-lying coastal areas. Land subsidence is also one of the major factors controlling the geomorphological evolution of river basins and deltaic areas, which can host large population centres and extensive productive activities.

Ground deformations monitoring plays a key role in the management of such natural hazard by providing cost-effective solutions for risk mitigation. This Special Issue of *Remote Sensing* is devoted to all topics related to land subsidence monitoring using remote sensing techniques (in particular, but not limited, to InSAR) complemented with ground-based data (e.g., GNSS, precise levelling).





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

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