



Earth Observations for Land Subsidence Identification, Monitoring and Their Contribution to Modeling II

Guest Editors:

Dr. Ahmed Abdalla

Center for GeInformatics,
Department of Civil and
Environmental Engineering,
Louisiana State University, Baton
Rouge, LA, USA

Dr. Abdelali Fadil

Geology Department, Faculte des
Sciences Semlalia, Cadi Ayyad
University, Marrakech, Morocco

Prof. Dr. Claudia Meisina

Department of Earth and
Environmental Sciences,
University of Pavia, Via Adolfo
Ferrata 1, 27100 Pavia, Italy

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Message from the Guest Editors

Land subsidence is a major problem that occurs worldwide and exponentially growing.

The advances in geodetic satellite technologies and remote sensing enable excellent Earth observation capabilities and inherit invaluable ground movement legacy. For instance, Global Navigation Satellite Systems (GNSS) are widely used to establish continuously operating reference stations (CORS). In addition, the Interferometric Synthetic Aperture Radar (InSAR) is also used for mapping land subsidence through the phase difference of the radar images.

This Special Issue welcomes high-quality research and studies that address the most recent advancements, including but not limited to:

- Monitoring, identification, prediction, and analysis of land subsidence using GNSS positioning.
- Change detection techniques based on satellite and terrestrial remote sensing imageries and digital image correlation
- InSAR technology for geophysical surface deformation due to Volcanoes, landslides, earthquakes, and glaciers
- Advanced land subsidence methodologies and integration with hydrological and metrological models





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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

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

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