



Earthquake Disaster Monitoring Using Remote Sensing Image Processing and Geophysical Techniques

Guest Editors:

Dr. Sambit Prasanajit Naik

Dr. Young-Seog Kim

Dr. Abdelrahman Khalifa

Dr. Debasis D. Mohanty

Deadline for manuscript
submissions:

closed (31 December 2023)

Message from the Guest Editors

The continuous threat of earthquake events makes the constant and meticulous monitoring of tectonic processes a necessity for earthquake hazard reduction and mitigation. For earthquake hazard related investigations, the use of remote sensing and geophysical tools is an established methodological element. Mapping and detecting the earthquake source, and post-earthquake damage mapping using remote sensing and geophysical techniques, plays a significant role in earthquake disaster risk estimations and managements. Lately, advances in geophysical and remote sensing techniques have elevated the efficiency of earthquake disaster mapping and prediction.

In this Special Issue, we are focusing on the application of remote sensing and geophysical techniques and tools to anything from earthquake disaster monitoring using its spatial distribution, coseismic surface rupture and environmental effects mapping, characterization of fault structures, fault slip-rates, as well as overall tectonic processes from diverse tectonic settings. Consequently, multiscale approaches or studies focused on remote sensing and geophysical techniques for earthquake hazard monitoring, and predictions are welcome.





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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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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

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