

## Special Issue

# Remote Sensing Monitoring for Earthquakes, Tectonics and Seismic Hazards

### Message from the Guest Editors

Technological improvements in sensors and advances in computational power, together with the increased number of satellites dedicated to Earth observation, have promoted a significant evolution in remote sensing science in the last decades. Satellite-, aircraft-, and land-based geophysical, geodetic, and geochemical data have proved to be key tools to not only extensively map surface phenomena associated with tectonics and earthquakes, even for light-magnitude events, but also to depict tectonic strain, allowing the identification of areas of increased seismic risk. Additionally, continuous data (in space and time) on slow surface displacement, e.g., post-seismic relaxation following large earthquakes, represent a precious reference for modeling the rheology of the crust and upper mantle in these regions. More recently, the introduction of robot and drone technology in remote data acquisition has also facilitated more detailed characterizations of fault movements and monitoring of volcano tectonic activity, representing strong support in constraining the interpretation of satellite data.

### Guest Editors

Dr. Nicola Alessandro Pino

Dr. Stefano Carlino

Dr. Raffaele Castaldo

### Deadline for manuscript submissions

14 January 2026



## Remote Sensing

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

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### 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.

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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

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