



Space-Borne Earth Observation Data for Monitoring Natural and Anthropogenic Phenomena: A Look towards Climate Change and Advanced Processing Methods

Guest Editors:

Dr. Marco Polcari

Istituto Nazionale di Geofisica e
Vulcanologia (INGV), Via di Vigna
Murata 605, 00143 Rome, Italy

Dr. Letizia Anderlini

Istituto Nazionale di Geofisica e
Vulcanologia (INGV), Sezione di
Bologna, Via Franceschini 31,
40128 Bologna, Italy

Dr. Antonio Montuori

Agenzia Spaziale Italiana (ASI),
Earth Observation Unit, Via del
Politecnico snc, 00133 Rome,
Italy

Deadline for manuscript
submissions:

closed (15 December 2024)

Message from the Guest Editors

Thanks to the increasing number of space missions equipped with SAR and optical sensors and GNSS networks, EO data can be utilized to better understand several phenomena and improve our knowledge of the Earth's dynamic processes.

Therefore, we welcome studies on seismic or volcanic processes, crop production, subsoil exploitation activities, urban or coastal subsidence and landslides and avalanches, as well as papers focusing on the testing and demonstration of novel analytical methods including, but not limited to, data fusion approaches, AI, machine/deep learning and neural networks, with analysis of their performance to improve the processing and post-processing of satellite data, with reference to the combined use of multi-mission products.

Moreover, we will consider contributions focusing on phenomena in the framework of climate change. Contributions supporting both hazard assessment and risk mitigation are welcome, including papers considering wildfire detection, floods, sea level rise, glacier monitoring, plastic pollution and oil spills, coastal erosion and drying rivers and gas emission monitoring.





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, Grosspeteranlage 5
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)