

Advances in Remote Sensing and GIS for Natural Hazards Monitoring and Management

Guest Editors:

Dr. Adrianos Retalis

Institute for Environmental
Research & Sustainable
Development (IERSD), National
Observatory of Athens (NOA), GR
15236 Athens, Greece

Dr. Dimitrios D. Alexakis

Institute for Mediterranean
Studies, Foundation for Research
and Technology Hellas (FORTH),
74100 Rethymno, Crete, Greece

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

This Special Issue is open to a diverse range of contributions on recent advances in the application of remote sensing and GIS methods for the monitoring/mapping/modeling/assessment/mitigation of natural hazards, such as landslides, floods, wildfires, droughts, and erosion. Methods for the development of algorithms for data processing/interpretation and the presentation of case studies are welcome. We invite submissions that may include, but are not limited to, the following topics:

- Mapping of (historical) events;
- (Near) real-time hazard monitoring;
- Remote sensing for hazard/vulnerability/risk analysis mapping and damage assessment;
- Single/multi-hazard detection, modeling, vulnerability, and prediction;
- Applications in support of disaster risk reduction and adaptation strategies;
- Fusion of remotely sensed imagery for disaster applications.



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Wolfgang Kainz

Cartography and Geographic
Information Science, Department
of Geography and Regional
Research, University of Vienna,
Universitätsstr. 7, A-1010 Vienna,
Austria

Message from the Editor-in-Chief

The *ISPRS International Journal of Geo-Information* invites you to submit research articles, reviews, and reports covering topics of the whole domain of geo-information. Although the journal was only founded in 2012, it has already achieved wide recognition in the scientific community. We are proud that since April 2015, our journal is indexed by the SCIE of the Web of Science. As Editor-in-Chief, I encourage you to consider *IJGI* for your scientific papers and would be pleased to welcome you as authors.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [GeoRef](#), [PubAg](#), [dblp](#), [Astrophysics Data System](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Geography, Physical*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

ISPRS International Journal of Geo-Information Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijgi
ijgi@mdpi.com
[X@ISPRS_IJGI](https://twitter.com/ISPRS_IJGI)