

## Advances in Machine Learning and Statistical Analysis of Geographical Data

Guest Editors:

**Dr. Stamatis Kalogirou**

**Dr. Stefanos Georganos**

**Dr. George Kefalas**

**Dr. Roxanne S. Lorilla**

Deadline for manuscript  
submissions:

**closed (31 October 2021)**

### Message from the Guest Editors

Dear Colleagues,

In geography, we have known for decades that location matters. Established techniques such as local models have addressed the issue of spatial heterogeneity and allowed for the discovery of local processes hidden in traditional models. However, modern algorithms related to Artificial Intelligence, machine learning, and classification of geospatial data are not always “location-aware” even though they manage to achieve more robust results compared to traditional methods.

This Special Issue aims to capture the state-of-the-art theories and applications of machine learning and advanced statistics used to analyze spatial data, including big spatial data. The use of advanced methods is linked to appropriate theoretical frameworks (properly acknowledging previous work in the topic) and ethical/responsible use of AI, while encouraging transparency and reproducibility. We look forward to receiving your contribution and we trust this Special Issue will become an excellent reference for future advancements in the domain.



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](http://www.mdpi.com)

[mdpi.com/journal/ijgi](http://mdpi.com/journal/ijgi)  
[ijgi@mdpi.com](mailto:ijgi@mdpi.com)  
[X@ISPRS\\_IJGI](https://twitter.com/ISPRS_IJGI)