



Recent Advances in Geospatial Big Data Mining

Guest Editors:

Dr. Qiliang Liu

Department of Geo-informatics,
Central South University,
Changsha 410083, Hunan, China

Dr. Yan Shi

Department of Geo-Informatics,
Central South University,
Changsha 410083, China

Dr. Zhanjun He

School of Geography and
Information Engineering, China
University of Geosciences, Wuhan
430074, Hubei, China

Deadline for manuscript
submissions:

25 May 2024

Message from the Guest Editors

Dear Colleagues,

It is our pleasure to invite you to contribute to this Special Issue entitled *Recent Advances in Geospatial Big Data Mining*.

In recent years, geospatial big data has attracted extensive attention from different disciplines. Geospatial big data can be roughly classified into two types. Data mining is essential for revealing valuable spatio-temporal patterns hidden in geospatial big data, which are useful for understanding complex human-land relationships.

Over the past two decades, the identification of spatial patterns from geospatial big data has been a popular topic in urban planning, transportation management, epidemiology, environmental science, and criminology. Geospatial big data has some unique characteristics, e.g., fine spatio-temporal granularity, wide spatio-temporal scope, rich information on human-land relationships, high spatio-temporal bias, and low spatio-temporal precision. Correspondingly, geospatial big data requires specially designed data mining methods given its unique characteristics. Geospatial big data mining is facing new opportunities and challenges.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)