Special Issue

Recent Advances in Geospatial Big Data Mining

Message from the Guest Editors

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.

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Deadline for manuscript submissions

10 February 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/103887

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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.

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