Special Issue

Application of Machine Learning in Geoinformatics

Message from the Guest Editors

This Special Issue explores the cutting-edge integration of ML/AI techniques within the field of geoinformatics, highlighting novel methodologies, practical applications, and emerging challenges. We invite interdisciplinary contributions that leverage ML/AI—including deep learning, supervised/unsupervised learning, reinforcement learning, and large language models—to analyze, model, and interpret complex geospatial data. Topics of interest include ML-driven remote sensing image analysis and classification, spatial prediction and pattern recognition for land use and climate modeling, geospatial big data processing and scalability solutions, and natural language processing for geospatial metadata retrieval. We especially encourage submissions that demonstrate how AI-enhanced approaches can support urban planning, environmental monitoring, disaster management, conflict analysis, transportation safety, and public health—areas where geoinformatics provides direct input into evidence-based public policy.

Guest Editors

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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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