

Special Issue

Applications of Big Data and Artificial Intelligence in Geoscience

Message from the Guest Editors

This Special Issue aims to address the increasing demand for research on the application of artificial intelligence and data science in geoinformatics. Effectively processing and utilizing these ever-growing geoinformatics datasets presents numerous challenges, making it crucial to apply cutting-edge computing technologies to geoscience big data. The integration of artificial intelligence technologies, particularly those based on deep learning and big data, has opened new avenues for geoscience research.

This Special Issue encourages researchers to explore innovative methods in AI and data science to solve complex problems in geoinformatics, including but not limited to the following sub-disciplines: remote sensing, geography, geology, and geophysics. These methods encompass improving or training statistical learning, machine learning, and deep learning algorithms applied to the analysis of text, images, geographic information systems (GIS), and other geoscience data.

Guest Editors

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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.

Editor-in-Chief

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