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Machine Learning and Big Data in Geosciences

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Deadline for manuscript submissions:

closed (30 April 2022)

Message from the Guest Editors

Dear Colleagues,

The geosciences have been largely driven by the use of data. Recent scientific and professional developments in data acquisition in the geosciences and data analysis using big data and machine learning open new opportunities for an intensive use of data in geosciences. We are pleased to invite you to submit a paper for this Special Issue titled "Big Data and Machine Learning in Geosciences", which aims to share the latest scientific and professional developments and applications in the use of massive data in the geosciences and related fields, with a focus on the following issues:

- Role of data science in solving traditional and emergent problems in geosciences.
- Progresses in data collection in geoscience (remote sensing, smart sensors, open data, social media, and mobile applications).
- Specificities and patterns of data in geosciences, data cleaning.
- Combination of geoscience-based design methods with artificial intelligence methods (machine learning and deep learning).
- Role of visualization and visual analytics in geosciences
- Needs and perspectives for the use of data in geosciences.











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Message from the Editor-in-Chief

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