



Applications of Geographic Information Technologies in Sustainable Mining

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Message from the Guest Editors

Sustainability has become a key issue for industries globally, including mining. Mineral excavation benefits economies and at the same time impacts the surrounding environment and society. Geographic information technologies, including data acquisition techniques, data processing methods and analytical methodologies play an increasing role in providing reliable information and prediction models facilitating the minimization of the adverse effects of mining operations.

This Special Issue will comprise a selection of papers addressing current and state of the art methods and techniques of remote sensing, as well as spatial analysis and modelling applied to problems associated with the effect of mining on the environment.

The purpose of this Special Issue includes the demonstration of new methods and techniques in the processing and interpreting of remote sensing data for the observation and monitoring of mining grounds, including the integration of data from different sources and GIS; the presentation of enhanced and new methodologies for analysis and assessment of the state of areas under the influence of mining and the condition of engineering objects in mining areas.





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