



Digital Exploration and Assessment of Mineral Resources: Theories, Methods and Achievements

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Message from the Guest Editors

Dear Colleagues,

"Digital geology" can be called a combination of "mathematical geology" and "information technology", which is the data analysis component of geological science. Digital exploration and assessments of mineral resources manifest in the application of digital geology in mineral exploration to reduce ore-prospecting uncertainty and to improve ore-prospecting efficiency. The key digital geoscience knowledge lies in highly condensed information derived from raw geological, geochemistry, geophysics, and remote sensing survey data, which can be used to derive quantitatively exact expressions of the underlying ore-forming processes, phenomena, and regularities. These scientific expressions can be used to predict the occurrence, development, and results of ore-forming events in geological time. Digital mineral exploration is a successful application of data geosciences combined with information technology in geosciences. This Special Issue will showcase the theories, methods, and achievements in digital mineral exploration and assessments in recent years.





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Message from the Editor-in-Chief

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