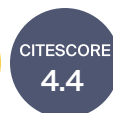




minerals

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Applications of Unmanned Aerial Vehicle and Artificial Intelligence Technologies in Mining from Exploration to Reclamation

Guest Editor:

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Deadline for manuscript
submissions:
closed (18 January 2022)

Message from the Guest Editor

Recently, much attention has focused on unmanned aerial vehicle (UAV) technology, to the extent that the term “drone industry” has been created...UAV and AI technologies have been reported in the mining industry for mineral exploration, mine planning and design, mine operation, mineral/metallurgical processing, mine health and safety management, and mine reclamation. This Special Issue (SI) encourages engineers, geologists, metallurgists, educators, students, and researchers to address recent applications of UAV and AI technologies in mining from exploration to reclamation. Original research contributions and reviews providing examples of the improvements brought by UAV and AI technologies in all areas of the mineral sector can be included in this SI.



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Special Issue



Editor-in-Chief

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Message from the Editor-in-Chief

Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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