



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

Guest Editor:

**Prof. Dr. Yoon Choi**

Department of Energy Resources  
Engineering, Pukyong National  
University, Busan 48513, Korea

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.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Leonid Dubrovinsky**  
Bayerisches Geoinstitut,  
University Bayreuth, D-95440  
Bayreuth, Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Geochemistry and Geophysics*) / CiteScore - Q2 (*Geology*)

## Contact Us

---

*Minerals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/minerals](http://mdpi.com/journal/minerals)  
[minerals@mdpi.com](mailto:minerals@mdpi.com)  
[X@Minerals\\_MDPI/](https://twitter.com/Minerals_MDPI/)