# Special Issue

# Advanced Underground Mine Ventilation and Monitoring Systems

## Message from the Guest Editor

The main purpose of mine ventilation systems is to maintain thermal comfort of underground personnel, remove heat from equipment, dilute mine contaminants, and provide fresh air for personnel to breathe. Underground mines need to be equipped to accurate, real-time, and intrinsically safe monitoring systems to be able to continuously assess the condition of a mine ventilation system. Underground mine workforce safety and workplace productivity rely significantly on the performance of mine ventilation and monitoring systems. This Special Issue will focus on cutting-edge research, recent innovations, and advanced technologies in mine ventilation and monitoring systems with respect to enhanced performance and reliability, health and safety improvements, energy and cost savings, and mine productivity.

## Guest Editor

Dr. Saiied Aminossadati

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## Deadline for manuscript submissions

closed (31 October 2015)

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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.

## Editor-in-Chief

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