

Special Issue

CO₂ Sequestration by Mineral Carbonation: Challenges and Advances

Message from the Guest Editor

One of the most important challenges of the 21st century is the limiting or reducing the greenhouse gases in the atmosphere. While one of the challenges is the capture of greenhouse gases (primarily CO₂) from point and distributed sources, the other is the development of method and techniques to sequester CO₂. Each alternative proposed in literature and practiced in a very limited scale has its own shortcomings for the long-term or permanent storage. The idea of mineral carbonation emerges to be the only alternative for permanent solution. This special issue will focus on the recent scientific and technical advances towards development of technically and economically feasible methods, related issues and problems.

Guest Editor

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About the Journal

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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