Special Issue

CO2 Storage, Impurity Gases, and Enhanced Recovery: Geochemical and Geomechanical Effects

Message from the Guest Editor

Geological CO2 storage is gaining increased interest as a viable method to sequester greenhouse gases. Gas streams produced from processes such as coal combustion, natural gas separation, cement and steel processing can contain impurity gases such as SOx, NOx, O2, H2S and CH4. These gases can have impacts such as increased acidity of fluids and reactivity of rocks. These have implications for mineral trapping, water quality, injectivity, seal integrity, etc. Geochemical gas water rock reactions and geomechanical changes are relevant to CO2 storage and also conventional and unconventional enhanced recovery of oil or gas. This Special Issue seeks contributions through experimental, modelling or field studies of geological CO2 storage or enhanced recovery with a focus on geochemical and geomechanical impacts.

Guest Editor

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Understanding the Earth's origin and its bio-geological evolution, the multiple implications of the geosciences (as a coherentset of interconnected disciplines), and the sociocultural and ethical interdisciplinary approaches, will be crucial for a better understanding of Nature, and also for undertaking scientificallybased political decisions.
We are committed to drive *Geosciences* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts.

Editor-in-Chief

Prof. Dr. John C. Eichelberger
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