

Special Issue

Natural and Induced Diagenesis in Clastic Rock

Message from the Guest Editors

The fluid/rock and fluid/fluid reactions which characterise diagenesis most commonly involve water but can also include petroleum, carbon dioxide and other non-aqueous fluids such as nitrogen, hydrogen sulphide and hydrogen. Diagenesis changes the properties of the rock in which it acts. The changes include but are not limited to the rock's acoustic impedance, strength, unit thickness, porosity, permeability, grain surfaces, wettability and bound water. These changes in turn affect rocks response to seismic signals, measurements made during well logging and quality of the reservoir in terms of its storage capacity, producibility and injectivity. The special issue invites submissions, including original scientific research on clastic diagenesis and water-rock reaction mechanisms from well-known and/or new regions around the world. This special issue focuses on: 1) mineral-fluid reaction mechanism of clastic rocks (including sandstone and shale); 2) Geochemistry and chronology of diagenetic minerals in clastic rocks (including sandstone and shale); 3) The application of comprehensive diagenesis study on the reservoir prediction of clastic rock.

Guest Editors

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Deadline for manuscript submissions

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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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