Special Issue

Global and Regional Tectonics: Insights from Sedimentary Records and Geochemistry, 2nd Edition

Message from the Guest Editors

Sedimentary rocks cover about three-quarters of the continents on the Earth's crust and hold the singular advantage that they contain a vertically stacked and relatively undeformed record of erosion, sedimentation, and tectonic environments. Therefore, the characterization of sedimentary rocks and minerals as well as their chemistry and isotopes constitutes a key approach to studies of tectonic processes and tectonic environmental reconstructions.

In this Special Issue, we would like to focus on recent advances in the applications towards global and regional tectonic reconstructions that are based on the use of composition, chemistry, and isotopes of sedimentary rocks and minerals. In addition, this issue would like to collect new ideas regarding methodologies and provide reviews of recent developments. Moreover, case studies of tectonics in specific regions using sedimentary data are also of interest.

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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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