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Studies of Seismic Reservoir Characterization

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Deadline for manuscript submissions:
closed (16 December 2021)

Message from the Guest Editors

Dear Colleagues,

Seismic reservoir characterization plays an essential role in integrated reservoir studies with applications from prospect identification to detailed reservoir delineation. Reservoir simulations that are based on accurately developed static reservoir models are of a significant value in developing, monitoring, and managing a reservoir.

Seismic data provide an excellent image of structure and stratigraphy and can be inverted to provide a quantitative interpretation of porosity, lithology and litho-fluid facies. To improve the accuracy of reservoir property assessment and minimise the uncertainties, considerable attention needs to be placed in generating good quality seismic data, in selecting the most suitable seismic inversion method, and in the integration of multiple domain data for the calibration and interpretation phases.

In this special issue we seek papers that demonstrate the use of a variety of best-practices and key technologies for seismic reservoir characterization. Research that applies cutting-edge technologies and novel techniques in constraining reservoir models with seismic information, including detailed case studies are of special interest.

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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.

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