Special Issue

Hydrocarbon Development in Unconventional Shale and Carbonate Fields: Decline Curve Analysis Methods Combined with Data Analytics

Message from the Guest Editors

MDPI *Energies*, a peer-reviewed open access journal, is soliciting original and high-quality research articles related to the modeling of unconventional reservoirs. This Special Issue gathers original and high quality research articles related to physics-based and advanced methods for production forecasting based on history matching well data with decline curve analysis (DCA) methods. Our principal interest is in DCA methods applied to hydraulically fractured multistage wells, and improved forecasting of well performance and of the estimated ultimate recovery (EUR) in unconventional reservoirs. Application to field cases from a global variety of active and emerging shale and tight carbonate plays is of particular interest. Physics-based DCA methods should be emphasized, and, where possible, in combination with data analytics. Please consider submitting your paper to MDPI *Energies*. Papers will be peer- reviewed in a timely manner, and published upon acceptance. Accepted papers are published online in *Energies* without delay and will later appear in our collated Special Issue, which will be published in hard copy.

Guest Editors

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Deadline for manuscript submissions

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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