

Special Issue

Contribution of Artificial Intelligence/Big Data to Reservoir Engineering and Reservoir Modeling

Message from the Guest Editors

- The ever-growing volume of data in the oil and gas industry presents a unique opportunity to explore the contribution of artificial intelligence (AI) and big data to reservoir engineering and reservoir modeling.
- This Special Issue delves into how AI algorithms can leverage vast datasets for predictive analytics and real-time decision making, leading to enhanced reservoir characterization, the identification of optimal production zones, unprecedented production forecasting, and rapid model improvement through real-time data analysis.
- We seek original research that optimizes reservoir production while fostering sustainable practices, focusing on novel AI techniques, big data integration in workflows, real-time optimization strategies, and the role of AI in balancing resource recovery with long-term reservoir health. This collaboration between data scientists, engineers, and geoscientists aims to pave the way for a new era of data-driven reservoir management.

Guest Editors

Dr. Ming Yue

Dr. Shuhong Wu

Dr. Jianchun Xu

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
processes@mdpi.com

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Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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