Special Issue

Advances in Reservoir Engineering

Message from the Guest Editors

It is generally recognised that petroleum reservoir engineering has its roots in the work of Monsieur Henry Darcy, who sought to improve the quality of life in his home town of Dijon in France. Since then, reservoir engineering (RE) has made an unprecedented contribution to the development of mankind with the emergence of the oil and gas industry. Today, the environmental problems caused by rapid industrialisation are once again being solved with the know-how and technology of RE, as in the case of the production of renewable geothermal energy and the injection of excess CO2 into geological formations. These challenges also necessitate the constant updating (upgrading) of RE, which also benefits from the technological advances of other sectors, and sometimes, it is beneficial to take a short break to look back with an expert eye.

Guest Editors

Dr. Hakan Alkan

Prof. Dr. Mohd Amro

Dr. Antje van der Net

Deadline for manuscript submissions

closed (20 May 2025)



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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multidimensional network.

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