

Special Issue

Artificial Intelligence in Petroleum Engineering

Message from the Guest Editor

Over the past 50 years, petroleum scientists and engineers all over the world have generated a large number of technologies (models and solutions) that have introduced impactful enhancements in oil and gas productions. In the last decade, the generation of new technologies and the adaptation of existing petroleum technologies have been employed to enhance carbon sequestration. While the original application of artificial intelligence in petroleum engineering started in the early 1990s, in the past decade this avenue has been enhanced and has been proven capable of hugely augmenting all the petroleum technologies of the past 50 years. For example, currently, in petroleum reservoir engineering, artificial intelligence has generated new reservoir simulation and modeling that can provide far superior results than the existing grate numerical reservoir simulation technology that currently is used by CMG, Eclipse, Petrel, and tNavigator. The fact is that, in a few years from now, artificial intelligence will become the only technology that is used in petroleum engineering.

Guest Editor

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Deadline for manuscript submissions

31 October 2025



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/195754

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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 multi-dimensional network.

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