# Special Issue

# Numerical Simulation of Oil and Gas Storage and Transportation

# Message from the Guest Editors

With the development of computer science and computing techniques, numerical simulation plays an increasingly important role in oil and gas storage and transportation engineering, aiding in the design phase, predicting the service conditions, and assisting during accident analyses. This Special Issue on "Numerical Simulation of Oil and Gas Storage and Transportation" seeks high-quality works focusing on the latest advances in numerical techniques and their applications in oil and gas storage and transportation. The topics include but are not limited to the following:

- Numerical simulation of long-distance crude/product oil pipelines or pipeline networks;
- Numerical simulation of long-distance natural gas pipelines or pipeline networks;
- Numerical simulation of gathering and transportation pipelines in oil and natural gas fields;
- Numerical simulation of oil and gas tank and underground oil and gas storage;
- Numerical simulation of storage and transportation of new energy media such as hydrogen, methanol, and carbon dioxide;
- Applications of artificial intelligence (Al) in the numerical simulation of oil and gas storage and transportation.

### **Guest Editors**

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# Deadline for manuscript submissions

25 June 2026



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# Message from the Editor-in-Chief

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### Editor-in-Chief

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