

# Special Issue

## Advanced Drilling Technology

### Message from the Guest Editors

This Special Issue aims to explore the cutting-edge technologies that automate the entire drilling process, from planning and preparing drilling programs (such as hydraulic design, casing design, and cementing) to automating various drilling sequences. By leveraging these innovations, it is possible to enhance remote operations, improve safety, reduce costs, and minimize the carbon footprint of drilling activities. We are pleased to invite you to contribute to this Special Issue. We welcome original research articles and reviews that address the following themes: Digitalization in drilling engineering;  
AI and ML applications in real-time data management;  
Automation of drilling sequences;  
Environmental impact reduction through technological innovation.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 March 2025)



## Applied Sciences

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## About the Journal

### Message from the Editor-in-Chief

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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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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