

## Special Issue

# Petroleum Exploration and Structural Geology

### Message from the Guest Editor

The petroleum industry is continually evolving, driven by technological advancements and a deepened understanding of Earth's geology. These developments consistently redefine the boundaries of oil and gas exploration. However, as our expertise in various domains improves, the once-abundant and easily accessible petroleum reserves are dwindling.

Furthermore, the pressing challenge facing our civilization is to devise sustainable exploration strategies while addressing concerns such as carbon sequestration. This Special Issue on petroleum exploration and structural geology delves into the latest research, methodologies, and case studies, highlighting the intertwined relationship between the examination of Earth's structures and the search for concealed hydrocarbon reserves. Structural geology, which sheds light on Earth's layer deformations, provides invaluable insights into locating and accessing petroleum reserves. For more information on the Special Issue, please visit [LINK](https://www.mdpi.com/journal/applsci/special_issues/15G4W8U4FV)

[https://www.mdpi.com/journal/applsci/special\\_issues/15G4W8U4FV](https://www.mdpi.com/journal/applsci/special_issues/15G4W8U4FV)

### Guest Editor

Dr. Pavel Spirov

Department of Geology, Palacký University Olomouc, Olomouc, Czech Republic

### Deadline for manuscript submissions

closed (20 December 2024)



## Applied Sciences

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/184271](https://www.mdpi.com/si/184271)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://www.mdpi.com/journal/applsci)

[applsci](https://www.mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## 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.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )