



## Geochemical Characterization of Source Rocks in Oil and Gas Fields

Guest Editors:

**Dr. Mahmoud Leila**

Geology Department, Faculty of  
Science, Mansoura University, Al  
Manşūrah 11432, Egypt

**Dr. Yubin Bai**

School of Earth Sciences and  
Engineering, Xi'an Shiyou  
University, Xi'an, 710065 China

**Dr. Bojiang Fan**

School of Petroleum Engineering  
and Environmental Engineering,  
Yan'an University, Yan'an 716000,  
China

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### Message from the Guest Editors

Dear Colleagues,

Petroleum source rocks are often fine-grained. Organic-rich sediments that are capable of generating and expelling oil and/or gas in commercial quantities. The aim of hydrocarbon exploration is to achieve the highest production in lowest time span. Evaluation of the source rock potentiality of the organic matter quantity, quality and maturity is crucial for petroleum exploration and development strategies. These parameters are often dependent on both initial depositional conditions of the source rocks as well as secondary processes. Identification of the source rock properties not only has economic merits but is also paramount for understanding the basin evolution. Geochemical data (Rock-Eval pyrolysis and biomarkers) is widely for the evaluation of the source rock characteristics and its capability to generate hydrocarbons. Correlation between hydrocarbon and source rock characteristics is effective way to understand the hydrocarbon evolution and thus will enhance the predictability of oil and gas accumulations. This topic aims at enhancing our understanding the long-standing issues about the factors controlling the potentiality of oil and gas source rocks.





## Editor-in-Chief

### **Prof. Dr. Leonid Dubrovinsky**

Bayerisches Geoinstitut,  
University Bayreuth, D-95440  
Bayreuth, Germany

## Message from the Editor-in-Chief

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*Minerals* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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