



## Mineralogy, Geochemistry, and Sedimentary Geology of Lacustrine Basins

Guest Editors:

**Prof. Dr. Jingchun Tian**

Institute of Sedimentary Geology,  
Chengdu University of  
Technology, Chengdu 610059,  
China

**Dr. Qingshao Liang**

Institute of Sedimentary Geology,  
Chengdu University of  
Technology, Chengdu 610059,  
China

**Prof. Dr. Qinlian Wei**

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

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### Message from the Guest Editors

Dear Colleagues,

As convergence systems in the terrestrial source sink system, lacustrine basins can mainly be divided into fault depression type, depression type, and foreland type. Due to their unique fine-grained sedimentary system and low-energy environment, a variety of lithologic tight reservoirs, including tight sandstone, tuff and carbonate rocks, are developed for such purposes. The sedimentary environment and sedimentary models of lake basins are complex, with diverse types and evolutionary processes of diagenesis.

Therefore, the characteristics of lake basin mineralogy, geochemistry and sedimentary geology are in urgent need of clarification. This Special Issue will focus on primary progress, innovative research, and system improvement in the field of lake basin sedimentology, including research into and discussions of the following topics:

Advanced technologies and methods for studying lacustrine sedimentary environment;

Advanced technologies and methods for studying lacustrine tight sandstone;

Practical application of high-resolution sequence stratigraphy in lacustrine equivalent.

We look forward to receiving your contributions.



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## Editor-in-Chief

**Prof. Dr. Leonid Dubrovinsky**  
Bayerisches Geoinstitut,  
University Bayreuth, D-95440  
Bayreuth, Germany

## Message from the Editor-in-Chief

*Minerals* welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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*Minerals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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