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# Sedimentary Basins: Sedimentation, Stratigraphy, Petrology and Tectonics

Guest Editors:

**Dr. Yong Sik Gihm**
School of Earth System Science, Kyungpook National University, Daegu 41566, Republic of Korea

**Dr. Taejin Choi**
Department of Earth Science Education, Korea National University of Education, Cheongju 28173, Republic of Korea

**Dr. Byung Choon Lee**
Department of Earth and Environment Sciences, Chonnam National University, 77 Yongbong-ro, Buk-gu, Gwangju 61186, Republic of Korea

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**closed (31 December 2024)**

## Message from the Guest Editors

Sedimentary basins are considered natural containers filled with sediments derived from nearby source regions. Understanding depositional processes in various depositional environments, resulting architecture and stacking patterns, and controlling autogenic processes is crucial for the development of underground reservoirs. In addition, studying sediments and sedimentary rocks are important to unravel paleoclimatic changes and predict future directions. Therefore, studying the sediment archives as well as their inclusion is the first step to unravel the evolutions of the Earth's surface. There are still unresolved problems to overcome which are inherent to the limitations of sediments and sedimentary rocks.

This Special Issue focuses on sedimentation, paleogeographic changes and resulting stratigraphic evolution which have occurred or are occurring in all types of sedimentary basins. In addition, this Special Issue aims to collate works focusing on igneous and metamorphic rocks genetically related with basin-forming or -destructing and crustal deformation. Contributions studying analytical methods targeting sediments and sedimentary rocks are also welcomed.

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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
www.mdpi.com

mdpi.com/journal/minerals
minerals@mdpi.com
𝕏@Minerals_MDPI/