

Special Issue

Sedimentary Basins and Minerals

Message from the Guest Editor

The sedimentary rock layers in sedimentary basins contain various information about the formation and evolution process of the basin and the geodynamic background. Sedimentary rocks and their minerals have a certain symbiotic relationship with the geodynamic background, and the characteristics and spatiotemporal evolution of basin sediments can be used to reconstruct the lithofacies paleogeography, thereby inferring the tectonic uplift process of adjacent orogenic belts and providing new evidence for the evolution of adjacent orogenic belts from the perspective of sedimentary basins. The formation and evolution of sedimentary basins in different eras are controlled by different geodynamic factors, located in different tectonic environments, and have different geodynamic backgrounds. In this Special Issue, we will explore the latest advances in sedimentary basin and dynamics research, which can enhance our understanding of the tectonic evolution and energy exploration of adjacent orogenic belts in sedimentary basins.

Guest Editor

Dr. Zhenhong Li

1. Institute of Geomechanics, Chinese Academy of Geological Sciences, Beijing 100081, China
2. Key Laboratory of Active Tectonics and Geological Safety, Ministry of Natural Resources, Beijing 100081, China
3. Key Laboratory of Paleomagnetism and Tectonic Reconstruction, Ministry of Natural Resources, Beijing 100081, China

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Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

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

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