

Special Issue

Mineralogical and Magnetostratigraphic Study of Sediments: Implications for Tectonic History of The Tibetan Plateau

Message from the Guest Editors

Continental evolution, responsible for the evolution of the Earth's mountain ranges and sedimentary basins, is a crucial element of Earth science. Sedimentary basins preserve thick sediments that document a vast range of geological processes with timing constraints. Over the last few decades, and especially the past decade, many new mineralogical and magnetostratigraphic datasets have been produced from basins of the Tibetan Plateau and the surrounding regions, to reveal the tectonic history of plateau evolution and its effects on climate changes. These diverse datasets coupled with rapid developments in analytical methods have provided us with robust investigative approaches to interpret these diverse geological records. This Special Issue provides an opportunity to present recent results in this area, and hopes to use these mineralogical and magnetostratigraphic datasets to form a comprehensive understanding of the dynamics of tectono-sedimentary systems in the Tibetan Plateau and the adjacent areas. We hope to attract geologists studying the continental evolution and sedimentary basins of Asia, with broad tectonic, climatic, and biotic implications.

Guest Editors

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Prof. Dr. Feng Cheng

Deadline for manuscript submissions

closed (31 August 2023)



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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

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2026).