Special Issue

Mineralization Mechanism and Geochemical Characteristics of Coals and Associated Minerals

Message from the Guest Editors

Over the past few decades, research on the mineralization theory and application of coal and associated minerals has been a hot topic. In this Special Issue on mineralization mechanism and geochemical characteristics of coals and associated minerals, we welcome contributions that emphasize, but are not limited to, the following areas: metallogenic mechanisms, geochemical characteristics, enrichment patterns, evaluation methods, geochemical analysis techniques, and mineral exploration and development technologies related to coals and associated solid minerals (such as oil shale, bauxite, graphite), liquid minerals (such as coal-to-oil products), gaseous minerals (such as coalbed methane, tight sandstone gas, shale gas, natural gas hydrates), dispersed elemental minerals (such as uranium ores, lithium ores, rare earth ores, gallium ores, germanium ores), etc. The research we seek will provide advanced theoretical and technological guidance for metallogenic mechanisms, enrichment patterns, and the evaluation and development of coal and associated minerals.

Guest Editors

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Deadline for manuscript submissions

closed (5 September 2025)

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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).

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