

Special Issue

Petrography, Mineralogy, and Geochemistry of Coals

Message from the Guest Editors

Over 300 minerals have been identified in coal, they not only carry genetic information but are also a concentrator of trace elements, which are important for the mining, beneficiation, and combustion of coal, as well as during the storage of waste products from these activities. The study of the inorganic chemical composition of coal is related to defining the mode of occurrence of the elements, their quantitative presence, economic value, and their migration behavior during the technological treatment of the coal. Petrographic studies are the basis of organic petrology and coal geology. They provide information on the coal quality, coalification rate, coking and briquetting potential and paleoenvironmental deposition. The petrographic, mineral, and inorganic chemical compositions of coal are closely related, and their study provides both new fundamental knowledge and information for using coal as a source of critical/valuable elements. At present, some coal deposits are mined for Ge extraction. Coal still has a significant part in the energy sector in many countries around the world, which necessitates their petrographic, mineralogical, and geochemical research.

Guest Editors

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Deadline for manuscript submissions

closed (15 December 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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.2 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).