Special Issue

Coal Processing and Utilization

Message from the Guest Editors

Coal has played a fundamental role as an energy and coke source for centuries. In recent years, it has shown great potential in coal chemistry industry and carbon-based materials. The utilization of coal nowadays requires both in-depth research and extensive exploration, balanced with environmental concerns. An equally essential step before its utilization is the processing of coal. The heterogeneous composition of the complex organic structures and associated minerals of coal makes efficient separation a challenge, theoretically and technically. Various efforts in raw coal separation and beneficiation have been made, including, but not limited to, coal and coal-based material properties' characterization, size classification, dense separation, and colloid interface interactions; however, fundamental mechanisms and technologies have not been fully discovered or understood. Further intensification methods and theory development of the coal separation process are mostly favourable for the quality and efficient production of clean coal, as well as its following utilization.

Guest Editors

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Deadline for manuscript submissions

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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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