Special Issue

Coal Fly Ash as a Resource: Advances in Characterization, Utilization and Sustainable Solutions

Message from the Guest Editor

This Special Issue is organized into three sections: **Section 1—Characterization:** Advances in the physical, chemical, and mineralogical characterization of coal fly ash. **Section 2—Reprocessing and Utilization Strategies:** Innovative approaches for the beneficial utilization of coal fly ash in construction materials, agriculture, waste treatment, critical metal and mineral recovery, mesoporous materials, rubber as filler, and other industrial applications. Cutting-edge research exploring new applications, treatment methods, and technologies for enhancing the value and reducing the environmental footprint of coal fly ash. Case studies and success stories demonstrating practical applications and economic benefits. **Section 3—The Future of Coal Fly Ash:** Also of interest are critical perspective articles on the future of coal fly ash. Aspects that can be discussed include, but are not limited to, environmental and regulatory perspectives; economic perspectives; new horizons in research and innovation needs; and challenges in upscaling coal fly ash beneficiation processes.

Guest Editor

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Deadline for manuscript submissions

30 September 2025

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/207591

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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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