

## 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.

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### Guest Editor

Dr. Frédéric J. Doucet

Council for Geoscience, 280 Pretoria Street, Silverton, Pretoria 0001, South Africa

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### Deadline for manuscript submissions

closed (30 September 2025)



## Minerals

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*Minerals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[minerals@mdpi.com](mailto:minerals@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky

Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth,  
Germany

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), GEOBASE, GeoRef, CaPlus / SciFinder, Inspec, Astrophysics Data System, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Mining and Mineral Processing) / CiteScore - Q1 (Geology)

#### Rapid Publication:

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).