

## Special Issue

# Recent Progress in the Processing of Rare-Earth Ore

### Message from the Guest Editors

Rare earth elements (REEs) are of immense importance and are known as “industrial vitamins”. They are widely used in the production of magnets, alloys, catalysts, batteries, medical equipment, superconductors, etc. The REEs comprise 17 elements, including lanthanide elements (La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu), scandium (Sc), and yttrium (Y), which are generally divided into three categories (with the exception of Sc and Pm) on the basis of the solubility of rare earth sulfate: light rare-earth elements (LREEs—La, Ce, Pr, Nd), middle rare-earth elements (MREEs—Sm, Eu, Gd, Tb, Dy), and heavy rare-earth elements (HREEs—Ho, Er, Tm, Yb, Lu, Y). REEs are derived from different kinds of minerals, including monazite, bastnaesite, and weathered crust elution-deposited rare-earth ores (WREOs). This Special Issue seeks to address emerging technical and industrial challenges critical to the rare earth ore industry, including green and efficient mining technologies, innovative hydrometallurgical methods, and recycling and circular economy.

### Guest Editors

Prof. Dr. Fang Zhou  
Dr. Yuefei Zhang  
Prof. Dr. Zhao Cao

### Deadline for manuscript submissions

31 October 2026



## 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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