Special Issue

Utilisation of Industrial Byproducts for Metallurgical Applications

Message from the Guest Editors

The evergrowing demand for metals and energy has led to a tremendous increase in the processing of mineral ores and resources. The industrial processes for producing different commodities result in the production of large quantities of byproducts. The waste products consist of mining tailing, processing residue, slag, dust, and scrap metal traditionally discarded in landfills. These industrial residues include, but are not limited to, fly ash, bauxite residue, lead dross, blast furnace slag, and steel slag. This Special Issue invites original work highlighting the current state of the art and recent advancements in the utilization of industrial waste products in metallurgical applications, such as metal extraction, construction industries, and environmental fields. This also includes waste product characterization, process optimization, storage practices, ecological consequences, and techno-economic analysis.

Guest Editors

Dr. Manish Kumar Sinha

Prof. Dr. Brajendra Mishra

Himanshu Tanvar

Deadline for manuscript submissions

closed (26 January 2024)

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/149393

Minerals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
minerals@mdpi.com

mdpi.com/journal/minerals

Minerals

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 4.4

mdpi.com/journal/minerals

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.

Editor-in-Chief

Prof. Dr. Leonid Dubrovinsky
Bayerisches Geoinstitut, University Bayreuth, D-95440 Bayreuth, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), 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 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).

MDPI