

Special Issue

Natural Radionuclides in the Mineral Processing and Metallurgy

Message from the Guest Editors

Naturally Occurring Radioactive Material (NORM) industries are characterized by their use of raw materials that contain high concentrations of natural radionuclides coming from ^{238}U and ^{232}Th decay series, and ^{40}K , or by the fact that, during their processes, high radionuclide concentrations are produced. Note that both the mining and industrial processes may become unevenly distributed between the various materials involved, including the end products, intermediate products, by-products or process waste. Some of the main processes associated with NORM industries are mining/processing ores, as well as the production of metals such as tin, copper, aluminum, zinc, lead, iron and steel. Thus, this Special Issue aims to show a collection of research papers and critical reviews where the behavior and fractionation of natural radionuclides in the mineral processing and metallurgical industries are studied and analyzed, attending to the special characteristics of these industries. Additionally, it will be relevant to check the impact of these industries on the environment, workers and general public from the radiological point of view.

Guest Editors

Prof. Dr. Manuel Jesús Gázquez

Department of Applied Physics, Marine Research Institute (INMAR), University of Cadiz, 11510 Cádiz, Spain

Prof. Dr. Juan Pedro Bolívar Raya

Department of Integrated Sciences, Center for Natural Resources, Health and Environment (RENSMA), University of Huelva, 21007 Huelva, Spain

Deadline for manuscript submissions

closed (17 March 2023)



Minerals

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.4



mdpi.com/si/91644

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

[mdpi.com/journal/
minerals](https://mdpi.com/journal/minerals)





Minerals

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.4



[mdpi.com/journal/
minerals](https://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).