



Natural Radionuclides in the Mineral Processing and Metallurgy

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Message from the Guest Editors

Dear Colleagues,

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.





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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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