Special Issue

Geochemistry and Corrosion of Uranium-based Waste Materials

Message from the Guest Editor

Uranium-based materials are synonymous with fission energy. Uranium dioxide and uranium metal have been the primary materials used for nuclear fuel over the past 50 years, but, proportionally, they will all spend the majority of their lives as a highly radioactive waste, as compared to an operating fuel. Accordingly, the behaviour of these materials, in both engineered and natural systems, is of ongoing and significant interest to the academic community. The current Special Issue is seeking contributions that provide experimental data to better define the mechanisms and behaviours of uranium and associated nuclear compounds in waste storage and disposal systems, as well as papers detailing the transport and transformation behaviours of actinide materials in environmental systems; surface and subsurface.

Guest Editor

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Deadline for manuscript submissions

closed (30 January 2017)

Minerals

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Impact Factor 2.2
CiteScore 4.4

mdpi.com/si/7099

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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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