Special Issue

Radionuclide Interactions with Natural and Synthetic Solids

Message from the Guest Editors

We seek to give an insight into the nature of radionuclide environmental reactions and processes, as well as providing the data needed for the expansion of thermodynamic databases and reactive transport models. The Special Issue promotes contributions involving state-of-the-art of analytical techniques, wet-chemical methods, and theoretical approaches that interrogate the interaction of radionuclides with mineral or rock surfaces in the presence or absence of organic compounds and microbes. We especially encourage studies that fill gaps in the respective models and databases devoted to nuclear waste disposal and the remediation of contaminated land sites. These gaps include, for example, the role of microbially mediated reactions, interactions at high salinities and/or elevated temperatures, as well as radionuclide trace concentrations.

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Deadline for manuscript submissions

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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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