

Special Issue

Nuclear Waste Disposal

Message from the Guest Editors

With increasing concern over climate change due to the consumption of fossil fuels, identifying clean sources of energy is of paramount importance. Nuclear energy is one of the cleanest sources of energy. Despite the utility and climate friendly nature of nuclear power, the waste generated (mainly in the form of spent nuclear fuel) can pose a hazard to the hydro and bio-spheres.

Radioactive wastes from nuclear power plants that may be placed in a deep geologic repository (DGR), as well as radioactive waste from former uranium mines and other industrial sites, are of concern to humans because of potential impacts on ground water quality and habitat. The goal of this Special Issue is to gather recent advances in the field of nuclear waste disposal.

Contributions on subjects such as natural analogues for DGR concepts, radionuclide transport in surface and subsurface environments, uranium mine tailings, contaminated sites, waste matrices, and geologic disposal of spent nuclear fuel are strongly encouraged.

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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.

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