Special Issue

Novel Materials and Processes for Application in Nuclear Fuel Disposal

Message from the Guest Editor

This Special Issue invites contributions that focus on advancements in materials and processes covering the back end of the nuclear fuel cycle (i.e., separation, advanced fuels, and repository science). Existing technologies for waste disposal and nuclear fuels are well established, including borosilicate glass waste forms and the characteristics of spent UO2 fuels. However, there have been many examples of new advancements in on-line monitoring of nuclear processing, in situ methods that enable the direct observation of corrosion processes, as well as new types of materials for capturing fission products and generating new types of wastes forms. For more information, please click the following link: https://www.mdpi.com/journal/materials/special_issues/nuclear_fuel_disposal

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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