

Special Issue

Radiation Shielding Materials

Message from the Guest Editors

When deciding on a material to use to attenuate radiation, several specifics of the application must be considered, such as the energies of the incoming photons, the environmental conditions of the radiation source (indoors or outdoors), whether transparency is necessary, etc. Because of these varying uses, a shield that may be ideal for one specific situation may not be an effective shield in another. Some examples of commonly used radiation shielding materials include concrete, alloys, pure lead, and glasses. All these materials offer their own unique pros and cons but are receiving attention by various researchers in the radiation shielding community to attempt to discover the ideal shielding material for each application.

The Special Issue, “Radiation-Shielding Properties of Different Materials”, will focus on novel materials used for radiation protection applications in different fields, such as medicine, science, nuclear industry, electronics, and aerospace.

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Message from the Editorial Board

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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