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Radiation Shielding Materials

Guest Editors:

Message from the Guest Editors

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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 Editor-in-Chief

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