

Special Issue

Nanostructured Materials for Shielding Applications

Message from the Guest Editors

We kindly invite you to submit your paper to this Special Issue on “Nanostructured Materials for Shielding Applications” in *Nanomaterials*. Radiation shielding tools have increasingly become more important in modern society due to the vast spread of radioactive sources in various fields of work. Workers and patients who come in contact with radiation for long periods of time are at risk of exposure to nuclear radiation, which could severely impact their health. Therefore, it is necessary to protect these people from the risks of the radiation. Additionally, radiation exposure from outer space impacts is very harmful to on-board spacecraft equipment. Ionizing radiation causes the failure of high-precision and expensive equipment, which can ultimately lead to failures and loss of communication with spacecraft. In this regard, it is relevant not only to develop circuitry solutions, but also to... For further reading, please follow the link to the Special Issue website at: <https://www.mdpi.com/si/88463>. We look forward to receiving your contributions.

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano–alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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