Special Issue

Nanomaterials in Nuclear Decommissioning and Decontamination Technology

Message from the Guest Editor

This Special Issue of *Nanomaterials* addresses the link between information on innovation, research, development, and demonstration with the areas of nuclear decommissioning and decontamination science and technology, the optimal use of nuclear decommissioning and decontamination in nuclear energy sites, the analysis and optimization of processes, mitigation of environmental pollutants, and nuclear power plants. The complexity of issues and challenges relating to nanomaterials in nuclear decommissioning and decontamination science and technology has been recognized and, therefore, this Special Issue particularly welcomes work of a multidisciplinary nature across the fields of chemical, physical, and biological sciences, and environmental, material, mechanical, and nuclear engineering. The breadth of coverage includes innovative technologies and systems of nuclear decommissioning and decontamination science and technology in nanomaterials.

Guest Editor

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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