Special Issue

Metal Oxide Nanostructures: Synthesis, Characterization and Applications

Message from the Guest Editor

The Special Issue will cover various topics on metal oxide nanoparticles, including their synthesis, characterization and potential for environmental, energy, and medical applications, such as energy harvesting, permanent magnets, magnetocaloric for magnetic refrigeration technology, exchange bias for data storage, molecular magnets for quantum computers, water treatment, hyperthermia cancer therapy, drug delivery, and contrast agents for MRI. Metal oxide nanoparticles have been of interest for many decades due to their chemical and physical properties, including optical, magnetic, electrical, thermal transport, etc. The aim of this Special Issue to cover the state of the art of current innovative research on metal oxide nanoparticles, including experimental and theoretical studies. Therefore, recent results in different methods of synthesizing magnetic nanoparticles, their characterization, and their potential applications are welcome to be submitted.

Guest Editor

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Deadline for manuscript submissions

closed (20 November 2022)



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multidimensional network.

Editor-in-Chief

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