Special Issue

Magnetic Nanomaterials for Potential Biological Applications

Message from the Guest Editor

Nanomaterials have an enormous impact on modern science, technology, and everyday life. Biology and medicine are among the most important areas for potential applications of nanomaterials. Magnetic nanomaterials represent one of the most significant classes of materials in nanotechnology, with a range of potential biological and biomedical applications, including their use as contrast media for magnetic resonance imaging (MRI), as well as agents for magnetic hyperthermia therapy and magnetically targeted drug delivery systems. This issue is a renewal of the previous Special Issue "Biological Applications of Magnetic Nanoparticles" and it will be focused on the preparation, biological behavior studies, and potential biological applications of magnetic nanomaterials. Keywords

- Magnetic nanoparticles
- Drug delivery
- Sensing
- Nanomedicine
- MRI
- Magnetic hyperthermia

Guest Editor

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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 multi-dimensional network.

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