# Special Issue

# Applications in Nanotechnology and Nanomedicine of Magnetic Nanomaterials

## Message from the Guest Editor

Magnetic nanomaterials are widely studied today, in both theoretical and applied research, due to their high applicability potential in nanotechnology and nanomedicine. Additionally, due to their small toxicity and easy handling with external magnetic fields, and the possibility of tailoring their biocompatibility by the use of various techniques in modern nanobiotechnology (bioencapsulation, biosurfactation, biofunctionalization, bioconjugation, coating with various biocompatible organic chemical agents, etc.), magnetic nanomaterials have found multiple applications in modern nanomedicine, for diagnostics, therapy or as nanotheranostic tools such as MRI, drug delivery, MHT in cancer therapy etc. Having in view the current research of high interest in the field of magnetic nanomaterials, this Special Issue is dedicated to publishing current results in the form of original research articles, as well as summarizing current results in concise reviews

- magnetic nanomaterials (magnetic nanoparticles, magnetic nanocomposites, magnetic nanopowders, magnetic nanostructures)
- applications in nanotechnology
- applications in nanomedicine


## Guest Editor

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## Deadline for manuscript submissions

closed (20 July 2025)


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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.

## Editor-in-Chief

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