

## Special Issue

# Magnetic Nanoparticles: Novel Synthesis Methods and Applications

### Message from the Guest Editor

Magnetic nanoparticles have attracted tremendous attention owing to their unique chemical and physical properties and because of their potential applications in various fields, such as drug delivery, magnetic resonance imaging, biomolecular sensors, bioseparations, magnetothermal therapy, and catalysis. Synthetic methods such as the sol-gel technique, layer pyrolysis, hydrothermal technique, microwave irradiation, microemulsion co-precipitation, sonolysis, gas phase deposition, electron beam lithography, and bacterial synthesis have been widely used in the preparation magnetic nanoparticles. Recently, various green biosynthetic methods have been applied in the preparation of magnetic nanoparticles using different plant extracts and biomolecules. This Special Issue of *Applied Sciences* aims to cover the recent advances in developing synthetic methods for the preparation of magnetic nanomaterials and their application.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 June 2020)



## Applied Sciences

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Impact Factor 2.5  
CiteScore 5.5



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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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### Editor-in-Chief

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