



Magnetic Nanomaterials for Hyperthermia-Based Therapy, Imaging, and Drug Delivery

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Message from the Guest Editor

Dear Colleagues,

Among other nanoformulations, magnetic nanoparticles have been proven to possess numerous benefits over conventional medicines, making them valuable candidates in various fields of biomedical applications due to their ability to be remotely controlled by external magnetic fields.

By either functionalizing their surface or creating hybrid nanoformulations in combination with polymers, fluorophores, liposomes, and plasmonic or silica shells, magnetic nanoparticles gain multiplexing capabilities, making them suitable for combined applications, leading to what we now call theranostic nanoparticles. The capacity of these magnetic nanomaterials to diagnose and treat medical conditions, combined with the possibilities of remotely controlling their position or triggering their activity, make them one of the most investigated classes of theranostic materials.

In this Special Issue, we kindly invite authors to report both experimental and theoretical results on their recently developed magnetic nanomaterials in the medical field for imaging, diagnostics, and the treatment of diseases.





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Message from the Editor-in-Chief

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