

Special Issue

Magnetic Nanoparticles: Tools for Drug Delivery, Therapy and Imaging

Message from the Guest Editor

Magnetic nanoparticle applications in the domain of personalized medicine through diagnosis and therapy have attracted tremendous interest in the scientific community. These nanoparticles are highly stable and have been successfully studied for the delivery of hydrophobic and hydrophilic entities in combination with real-time monitoring and targeted release under the application of a magnetic field. This behavior is the start of a big roadmap about the mechanisms of magnetic nanoparticle cell interactions. Different parameters will be taken into consideration like shape, size composition and surface chemistry. In this Special Issue, we kindly invite authors to report experimental and theoretical results about novel magnetic nanoparticles and their mechanisms on drug release, mechanism diagnosis and therapy. Dr. Eleni Efthimiadou

Guest Editor

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