



Inorganic Nanoparticles for Targeted Therapy: Fabrication, Physical Properties, Biomedical Applications and Fate

Guest Editor:

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Message from the Guest Editor

Inorganic nanoparticles, such as those made of iron oxide, gold, silver, cobalt ferrite, copper sulphide, as well as quantum dots, and fullerenes (namely carbon nanotubes), exhibit distinct magnetic, optical, and/or electrical properties. These properties can be tuned (as nanoparticles characteristics, such as size, shape, structure, composition, domains interactions and surface modifications can directly affect nanoparticles physical properties) and could even be amplified in composite materials (e.g., core-shell and hierarchically assembled nanostructures).

This Special Issue will focus on inorganic nanoparticles with prospective therapeutic functionalities, and will address the recent progress in nanoparticles synthesis, physicochemical properties and use in targeted therapy. In addition, nanoparticles interactions between their inner and outer components (including the neighboring environment) will be considered, in view of the fact that all these issues should be considered and harnessed in order to create the next generation biomedical devices.





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Message from the Editor-in-Chief

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