

## Special Issue

# The Application of Nanoparticles in Biomedicine

### Message from the Guest Editor

Nanoparticles, nanomaterials, nanorods, core-shell nanoparticles, and hybrid nanoparticles have been extensively studied for various biomedical applications. Their applications are diverse such as contrast agents in magnetic resonance imaging (MRI) and X-ray computed tomography (CT), drug delivery, fluorescent imaging, biolabeling, biosensing, etc. Their properties are superior to conventional molecules and chelates. The aim of this Special Issue is to report a variety of nanoparticles and nanomaterials that can be applied to biomedicine, nanomedicine, and nanobiology. These include the synthesis of nanoparticles and nanomaterials and their characterizations using various techniques, surface modifications, and in vitro and in vivo applications. Surface modification with hydrophilic and biocompatible ligands is essential for their biomedical applications. This Special Issue will cover a variety of nanoparticles and nanomaterials that can be applied to biomedicine, nanomedicine, and nanobiology.

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### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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