



Gold Nanoparticles for Biomedical Applications

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Gold nanoparticles (AuNPs) are part of the family of plasmonic particles with a size range of 1–100 nm in diameter and can be prepared using various methods. Due to their size and free electron density, AuNPs exhibit a plethora of valuable properties, such as large surface area to volume ratio, uptake by biological systems, interactions with electromagnetic fields and simplicity of synthesis in different shapes and sizes. Subsequently, there is a continued interest in their biomedical applications, such as drug delivery, bio-sensing, and gene therapy, just to name a few. This Special Issue seeks to share the most recent and upcoming reports on the synthesis and surface modification strategies of AuNPs with a focus in biocompatibility for current and future treatment and management of human diseases.

Prof. Kadir Aslan
Guest Editor





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Message from the Editor-in-Chief

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