

Versatility of the gold nanoparticle

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Introduction: Gold is a noble metal, and it is commonly used because of its resistance to oxidation and electrical, magnetic, and physical properties. Forming gold into nanoparticles allows researchers to use gold in areas that are too small for bulk gold to reach and brings with it new capabilities. Gold nanoparticles have been utilized for centuries by artists due to the vibrant colors produced by their interaction with visible light.

Purpose: Gold nanoparticle is the most suitable for drug delivery applications. Drug delivery using gold nanoparticles, in combination with their intrinsic capability for photothermal therapy, should be explored in the future.

Conclusion: Gold and gold compounds have played an important and severe role in medicine since ancient times. The use of gold in the medicines and research is made possible due to the existence of gold nanoparticles (GNP's). GNP's have shown severe and great properties. It is capable of binding to viruses, antibodies, peptides, proteins, molecules. GNP's are used in medicines, Biology, and Chemistry. GNP applications in science and medicines are growing rapidly.

Publication of speakers:

1. Proving similarity between MRJP1 and Yellow Protein with using blast and NCBI
2. Herbal Medicine Addiction
3. Does nanoparticle shape influence the evolve ability of resistance to silver nanoparticles in bacteria?.

Full name of webinars, dates,

Webinar on Nano materials. March 30, 2021

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