

# Application of Nanotechnology in Medical Sciences Specially for Treating Cancer and Tumor

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## ABSTRACT

Nanotechnology has recently become one of the most active research fields in the area of Medical science. The most profound impact of nanomaterials will be in medicine, where nanoparticles and other nanomaterials will create new classes of drugs and medical devices. For example, nanoparticles are needed for targeted delivery of small molecule cancer drugs and nucleic acids. Nanocrystalline silicon carbide is a candidate material for artificial heart valve due to its low weight, high strength extreme hardness and high corrosion resistance. Many researcher attach Ethylene glycol molecules this nanoparticle drugs are useful for cancer tumor.

Using bio-resources, scientists from the Indian Institute of Chemical Technology (IICT), Hyderabad They have synthesized eco-friendly gold nanoparticles can be used as carriers for delivering anti-cancer drugs and also for diagnosing the disease The biocompatible nanoparticles developed from leaf extracts, shown promising results and to remove cancer cells for lung and breast cancer cell lines.

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