

Review Article of Nanotechnology

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Abstract: *Nanotechnology can be described as the manipulation of matter at an atomic, molecular or supramolecular scale in the range of 1-100 nanometers. Nanotechnology is a modern science that is gaining immense popularity and applications in multiple scientific fields such as surface science, micro fabrication, semiconductor, molecular biology, electronics, medicine, consumer products and many other industrial and military applications. Nanotechnology also raises various issues like the impact of nanoparticles on the environment, toxicity, regulation of nanotechnology and nanoparticles and the overall impact of nanotechnology on global economics. The present article focuses on the past, present and future of nanotechnology with a special focus on the application of nanotechnology in various fields of medicine. Nanotechnology is the exploitation of the unique properties of materials at the nanoscale. Nanotechnology has gained popularity in several industries, as it offers better built and smarter products. The application of nanotechnology in medicine and healthcare is referred to as nanomedicine, and it has been used to combat some of the most common diseases, including cardiovascular diseases and cancer. The present review provides an overview of the recent advances of nanotechnology in the aspects of imaging and drug delivery.*

Keywords: Nanotechnology, Nanomedicine, Devices based on Nanotechnology, Disease diagnosis, drug delivery

