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Nanotechnology in Cancer Therapy

Manisha Korram, Pooja Singh, Madhavi Sahu, Nitish Verma*

Shri Shankaracharya Technical Campus, Faculty of Pharmaceutical Sciences, Bhilai, E-mail: achal_mishra18@yahoo.co.in

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The word "Nano" is derived from the greek word (nanos) means dwarf. Nanotechnology is the study and use of structures between 1 nanometer (nm) and 100 nanometers in size. Nanoparticles can be defined as particles less than 100nm in diameter nanometer-sized particles have novel optical, electronic, and structural properties that are not available either in individual molecules or bulk solids. Nanotechnology has tremendous potential to make an important contribution in cancer prevention, detection, diagnosis, imaging and treatment. Nanomedicine application areas includes drug delivery, cancer therapy, diagnostic & imaging technique and antimicrobial techniques.