



ChemTech

## International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555  
Vol.12 No.02, pp 292-298, 2019

### New Generation of Green Nanoparticles: A Review

\*Radha Palaniswamy, Sandhiya R and Dhanyasri S.

Dept of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore – 641048,  
India

**Abstract** : Medicinal plants are the “backbone” of traditional medicine, which means more than 3.3 billion people in the less developed countries utilize medicinal plants on a regular basis for therapeutic uses. The rich source of therapeutic phytochemicals leads to the development of novel drugs. The phytochemical analysis of the plants is very important commercially and has great interest in pharmaceutical companies for the production of the new drugs for curing of various diseases. Nanotechnology has proved to be a standout among the most dynamic regions of research and development in advanced medical science. Nanoparticle is the most essential part of nanotechnology which has proved to be effective in treating many diseases. Various nanoparticles have been synthesis by using plant extracts which includes silver, gold and copper oxide. Use of plant extracts fro nanoparticles synthesis is favorable over the other biological material as it removes the long process of maintenance of cell culture. The present review provides information on medicinal plants used for synthesis of nanoparticles and its applications.

**Keywords** : nanoparticles, green synthesis, medicinal plants, characterization, antibacterial activity.

Radha Palaniswamy *et al* //International Journal of ChemTech Research, 2019,12(2): 292-298.

DOI= <http://dx.doi.org/10.20902/IJCTR.2019.120238>

\*\*\*\*\*