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(57) Abstract :

The present invention relates to the preparation of silver Nanoparticles by using the flower extract of Allamanda neriifolia and evaluation of their anti-cytotoxic activity. The characterization of prepared nanoparticles were done by using the UV, FTIR, and SEM analysis. The nanoparticles were prepared by using the eco- friendly method, and involves the rich plethora of plant extracts and a simplified synthetic approach in the UV-Vis cuvette, which enables immediate monitoring of the reaction progress. The UV-Vis spectroscopy & FTIR affirmed the formation of silver nanoparticles. SEM image showed spherical shape with an average particle size of less than 50 nm. The prepared biosynthesized silver nanopartilces were evaluated anticyto toxic activity by using the MC- 7 Cell lines.

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