



Bioactivity of Green Synthesised Silver Nanoparticles

By Amandeep Kaur

GRIN Verlag GmbH Apr 2015, 2015. Taschenbuch. Condition: Neu. Neuware - Bachelor Thesis from the year 2013 in the subject Biology - Miscellaneous, grade: M.Sc., , course: Biotechnology, language: English, abstract: Research and analysis of nanoparticles (NPs) synthesis and their biological activities has been expanded significantly in the recent years. The agents used for nanoparticles (NPs) synthesis are of organic (mainly carbon) and inorganic (metal ions like silver and gold) origin (Singh et al., 2010). Among these, silver (Ag) is the most preferred NPs synthesis agent due to its reported use in medical field as best topical bactericides from ancient times (Lavanya et al., 2013). The stable silver nanoparticles had been synthesized by using soluble starch as both the reducing and stabilizing agents (Shrivastava et al., 2012). So the concern of scientific community shifted towards ecofriendly, natural and cheaper method of NPs synthesis by using microorganisms and plant extracts (Mohanpuria et al., 2008). The use of plant materials for silver nanoparticles (AgNPs) is most popular due to its potential biological activities, easy availability and faster rate of synthesis there by cutting the cost of NP's synthesis (Huang et al., 2007 and Salam et al., 2012). The nanoparticles had been clinically...



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