



ABSTRACT

The main objective of the study was to design an eco-friendly, low cost, easy and repeatable method to synthesis silver nanoparticles (AgNPs) and to check the antimicrobial activity against various stains of microorganisms. The sunlight assisted silver nanoparticles weresynthesisd by using Arabinoxylan (AX) as reducing agent. Arabinoxylan was extracted from husk of *Psyllium ovata*.synthesized silver nanoparticles were characterized by using SEM, UV-visible spectroscopy and particle size analyzer The characteristic peak was observed at 425 nm and the average size of particles was 25 nm with spherial shape.