#### عنوان مقاله:

Green synthesis of silver nanoparticles and their antibacterial activities

### محل انتشار:

همایش ملی توسعه فناوری نانو (سال: 1396)

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#### خلاصه مقاله:

In this work we investigated the antibacterial properties of silver nanoparticles by green synthesis. Antibacterial activities of synthesized silver nanoparticles were evaluated against four bacteria, E.coli, S. aureus, B. subtilis and P. aeruginosa. The results revealed that silver nanoparticles show good antibacterial activities. Also, we characterize the synthesized nanoparticles with X-ray diffraction (XRD) ), Scanning electron microscopy (SEM) and UV/Visible absorption spectrophotometry. The absorption peak was found in the region of 422 nm. These nanoparticles would contain an average mean diameter of 24.42 nm by Scherrer equation and 25.43nm by Williamson – Hall method

# کلمات کلیدی:

Silver nanoparticles, Green synthesis, Antibacterial

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