

## عنوان مقاله:

Silver Nanoparticles that Synthesis by Using Trichophyton rubrum and Evaluate Antifungal Activity

## محل انتشار:

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## خلاصه مقاله:

Using microorganisms to make this nanomaterial is a new research technique. In a culture medium, Trichophyton rubrum was permitted to biosynthesis silver nanoparticles. This study used Trichophyton rubrum, a dermatophytes fungus, to make silver nanoparticles. These species' clinical strains were produced in a medium containing mineral salt and cultured for 5-7 days at 25°C. Each culture's cell-free filtrate was taken and used to make AgNPs in the presence of 1 mM AgNO<sub>3</sub>. The reduction of Ag<sup>+</sup> ions in metal nanoparticles was virtually studied by observing the colour of the solution, which changed to a reddish-light brown after 72 hours. SEM was used to establish the presence of AgNO<sub>3</sub>. The presence of AgNPs was confirmed by SEM, which revealed that they are primarily spherical and 100nm in size. Furthermore, the findings showed that silver nanoparticles have antifungal activity against both infections in a concentration-dependent manner. At (150 ppm) of AgNPs, the growth decreased

## کلمات کلیدی:

Silver nanoparticles, Trichophyton rubrum, Evaluate Antifungal

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1867764>

