

عنوان مقاله:

REMOVAL OF SILVER ION FROM CHEMICAL WASTEWATER USING CELLULAR EXTRACTS ENTEROBACTER

محل انتشار:

دومین کنفرانس بین المللی نفت، گاز و پتروشیمی (سال: 1393)

تعداد صفحات اصل مقاله: 5

نویسندگان:

Kh salehabadi - *Department of chemistry, Hakim Sabzevari University, Sabzevar, Iran*

N Mollania - *Department of biology, Hakim Sabzevari University, Sabzevar, Iran*

R Tayebee - *Department of chemistry, Hakim Sabzevari University, Sabzevar, Iran*

F Narenji Sani - *Department of chemistry, Hakim Sabzevari University, Sabzevar, Iran*

خلاصه مقاله:

Heavy metals pollutants are one of the chemical and petrochemical industries. There are several ways to remove the heavy metals from contaminated wastewater. One of green way is to remove metals using microorganisms. In this study, we examine the enterobacter.sp, which converts the silver ions into silver nanoparticles (AgNPs) in aqueous environments. This ability can be identified with UV-Visible spectroscopy. The solution is showed in the range 400_450 absorption. Morphology of the synthesized silver nanoparticles were characterized by Scanning Electron Microscopy (SEM) and Energy-dispersive X-ray spectroscopy (EDX)

کلمات کلیدی:

Heavy metals, silver nanoparticles, removal, Scanning Electron Microscopy

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/394032>

