

عنوان مقاله:

Biosynthesis of NiO nanoparticles using aqueous extract of oak fruit

محل انتشار:

شانزدهمین کنگره ملی مهندسی شیمی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 4

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خلاصه مقاله:

In recent years, there has been a dramatic growth in the interdisciplinary world of nanotechnology, and the emergence of its potential plans is still a major industry revolution. In this study, NiO nanoparticles (NPs) was synthesized by a green approach using aqueous extract of oak as an effective reducing and capping agent. For the first time, oak fruit extract was employed for the biosynthesis of NiO NPs from nickel chloride solution as precursor. In this eco-friendly method any toxic surfactants and additives or hazardous solvent were not used. Successful (formation of NiO nanoparticles was confirmed by X-ray diffraction analysis (XRD

کلمات کلیدی:

NiO nanoparticles, Extract, Green synthesis, Oak

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