

An Eco friendly Bio-Synthesis of Zn/Fe Bimetallic Nano particles

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Abstract

Bimetallic nanoparticles are formed by the combination of two different metals. Bimetallic nanoparticles have attracted huge attention as compared to monometallic nanoparticles in both technological and scientific view because Bimetallic nanoparticles shows better properties. In this present work we have synthesized Zn/Fe bimetallic nano particles using plant precursor limonia acidissima. Also the nanoparticles were characterized with UV-Vis, IR and Particle analyzer. Further we had planned to utilize the bimetallic nanoparticle as a catalyst in treatment of dye waste water.

Keywords: Bimetallic, Limonia acidissima, UV-Vis, Characterized, Catalyst