

Abstract

Mn doped ZnO nanoparticles were fabricated by using simple hydrothermal method. Nanoparticles were synthesized by chemical and green synthesis. In the formation of nanoparticles the zinc acetate and manganese sulphate were used as precursor. The morphological and optical properties of nanoparticles observed by using the scanning electron microscope (SEM), UV-Visible spectroscopy and Fourier Transform Infrared spectroscopy(FTIR). The photocatalytic activity of Mn doped ZnO nanoparticles studied by using MB dye under same conditions with different time intervals The photocatalytic degradation of methylene blue was checked by using UV-VIS spectrophotometer.