

Fig. 1 Some biologically active 1,4-dihydropyridines.

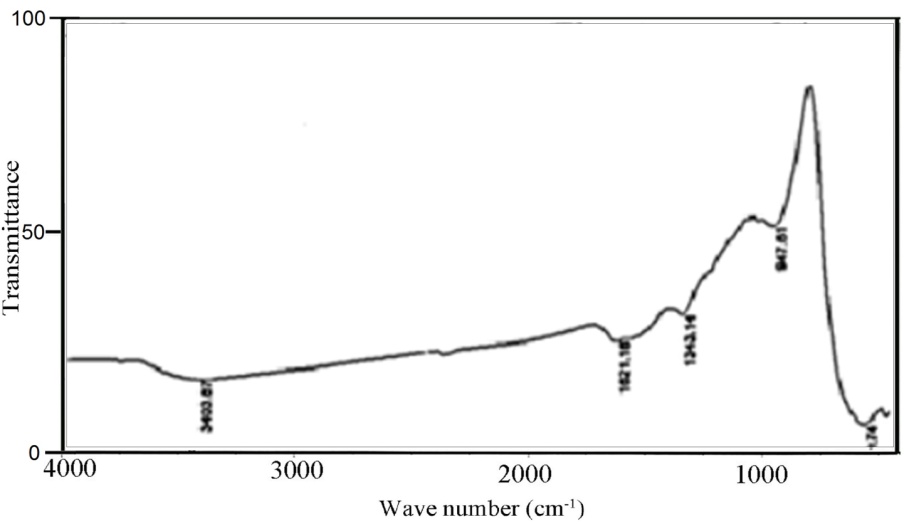
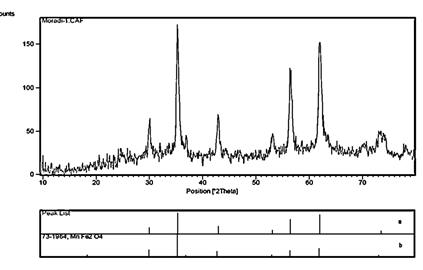
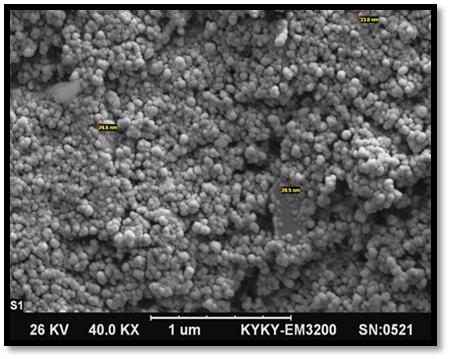


Fig. 2 FT-IR spectra of MnFe2O4 nanoparticles



**Fig. 3** The X-ray diffraction patterns of the prepared MnFe2O4 NPs



**Figu.4** SEM image of MnFe2O4 nanoparticles.



**Fig. 5** Magnetization curves of the prepared MnFe2O4 nanoparticles



**Scheme 1** Model reaction for the synthesis of diethyl-1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)pyridine-3,5-dicarboxylate

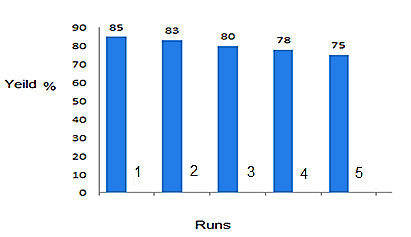


Fig. 6. Reusability of the MnFe2O4 nanoparticles as catalyst