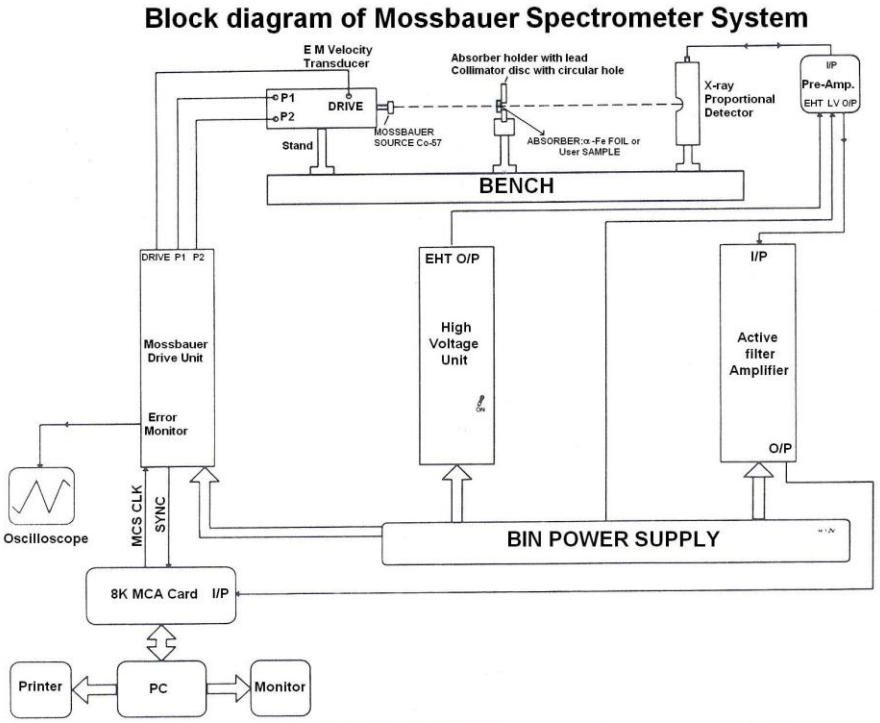
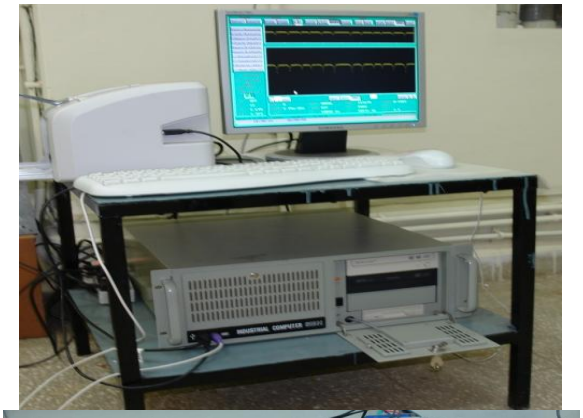
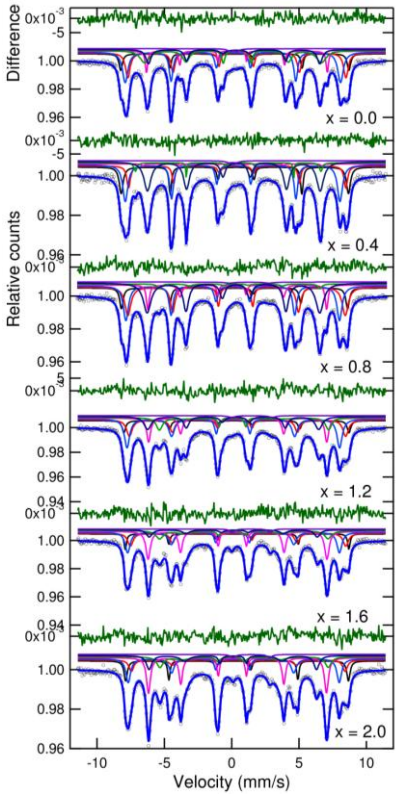
Mössbauer spectrometer operated in a constant acceleration mode in transmission geometry at room temperature. The source employed is ^{57}Co in Rh matrix of strength 50mCi. The calibration of the velocity scale is done using α-Fe metal foil. The outer line width of calibration spectra is 0.29 mm/s.

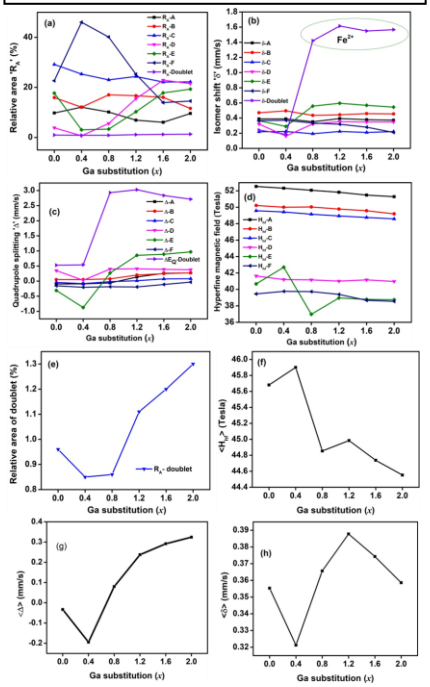


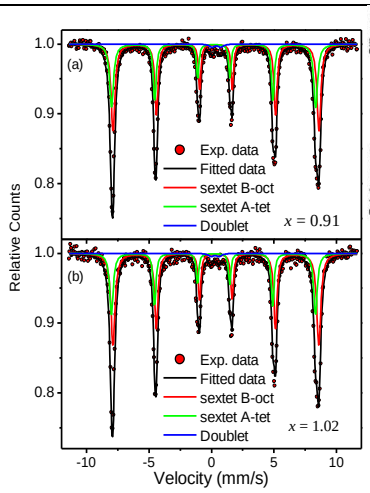


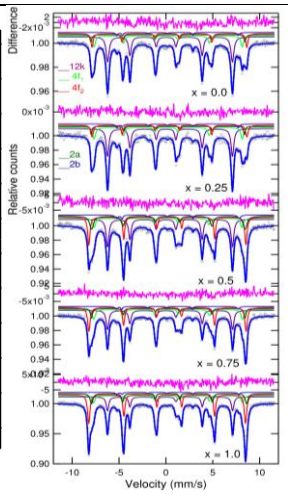
Room No. 1-199 H, ModLabs, SSPD, BARC (Extn.: 23846)



Z-Type hexaferrites $Sr_3Co_{2-x}Ga_xFe_{24}O_{41}$, J. Alloys. and Compounds 822 (2020) 153470

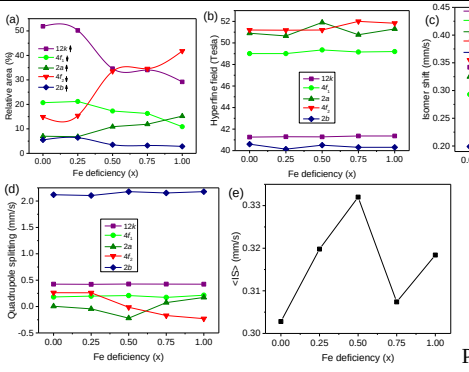






Inverse spinel $Li_xFe_5O_8$, J. of Alloys and Com. 865 (2021) 158849.

Nano hexaferrites $PbFe_{12-x}O_{19-\delta}$, Mat. Chem. and Phys 220 (2018) 137



$PbFe_{12-x}O_{19-\delta}$

Recent Publications: Ceramics International 47 (2021) 1145–1162, Journal of Alloys and Compounds 850 (2021) 156715, Applied Catalysis B: Environmental 283 (2021) 119610, Ceramics International 46 (2020) 24816–24830, Applied Surface Science 533 (2020) 147474, Phys.Chem.Chem.Phys., 2020, 22, 15478, J.of Mag. and Mag. Mat. 502 (2020) 166534, RSC Adv., 2019, 9, 41803, Journal of Alloys and Compounds 842 (2020) 155855, https://doi.org/10.1007/s10854-020-04389-1, https://doi.org/10.1007/s10854-021-05520-6,