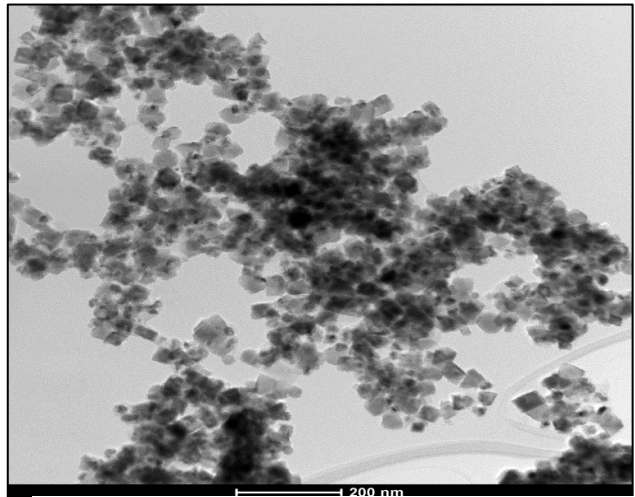
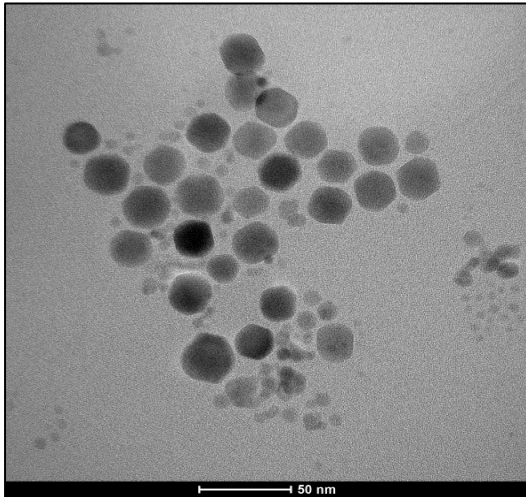
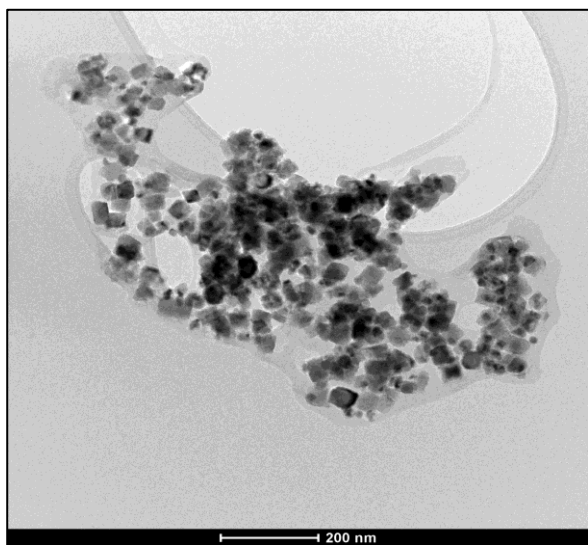
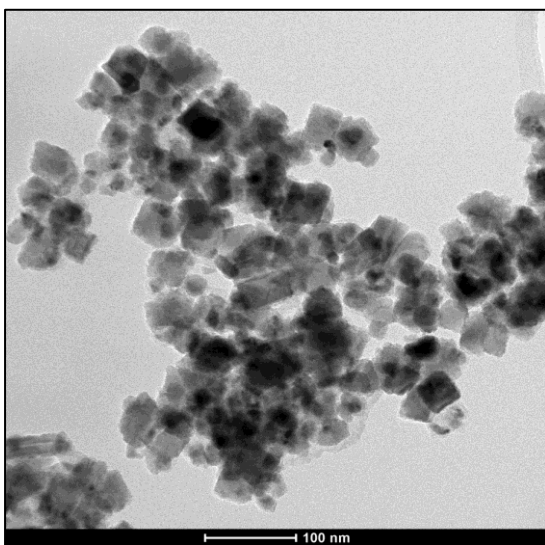


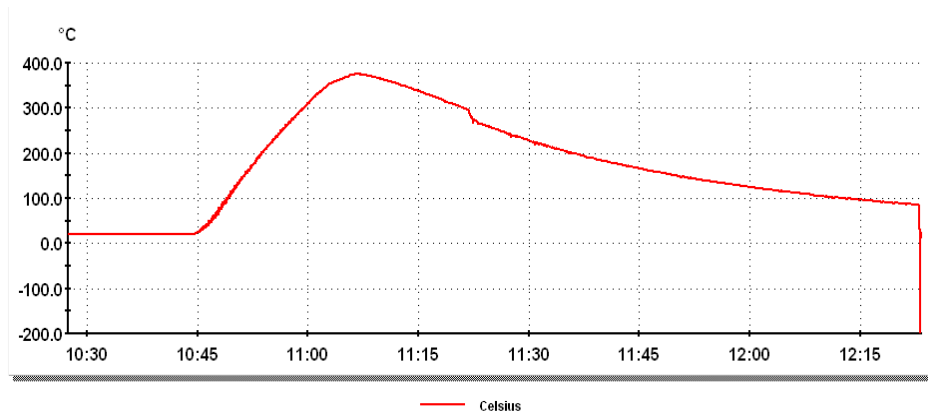
### Ni-01 Lauric Acid (first week)



### Ni-01 Lauric Acid (second week)

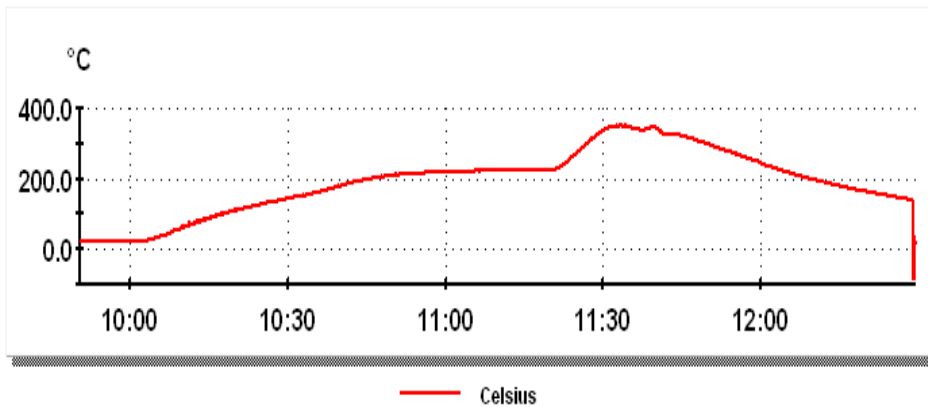


Ni-02



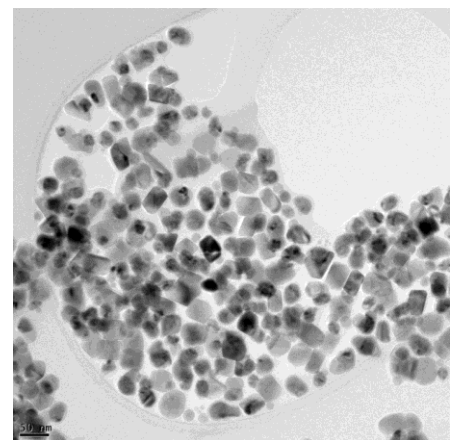
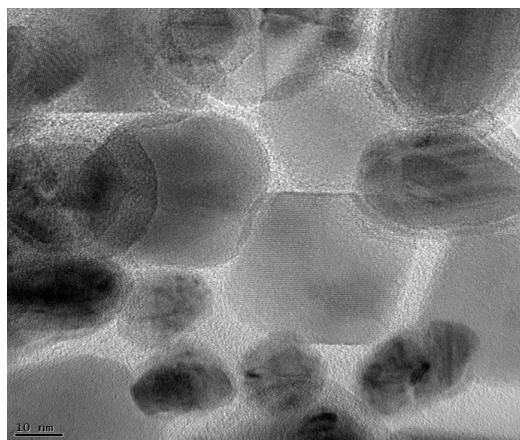
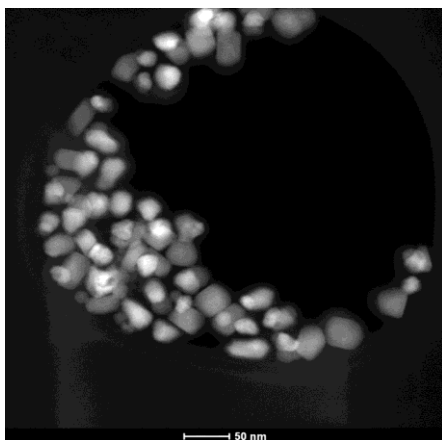
Failed repetition of Ni-01 synthesis → the stirrer jumps out and breaks the mixing process before finish the reaction: the suspension precipitates, not checked by TEM.

Co-02

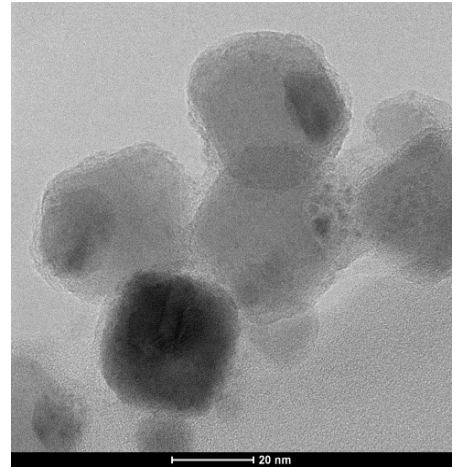
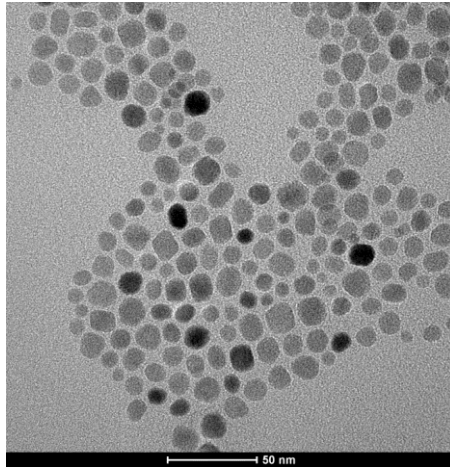
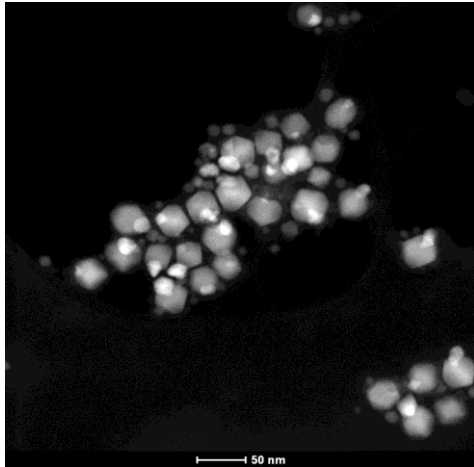


Failed synthesis → the stirrer jumps out; even this way, the synthesis continues throughout a violent reaction. It is not checked by TEM because it agglomeration is formed

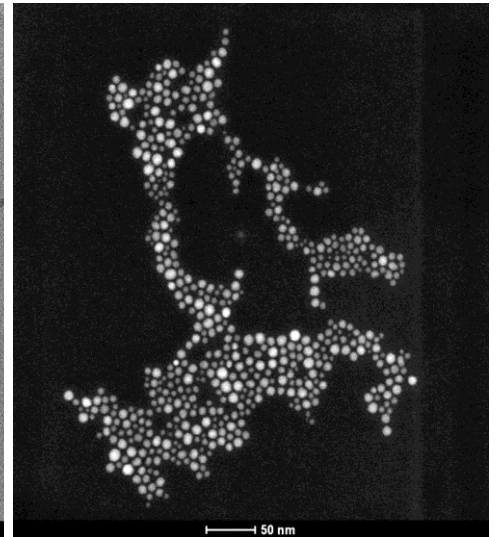
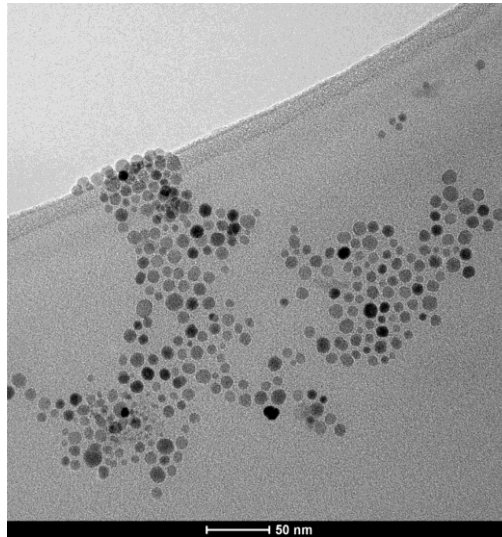
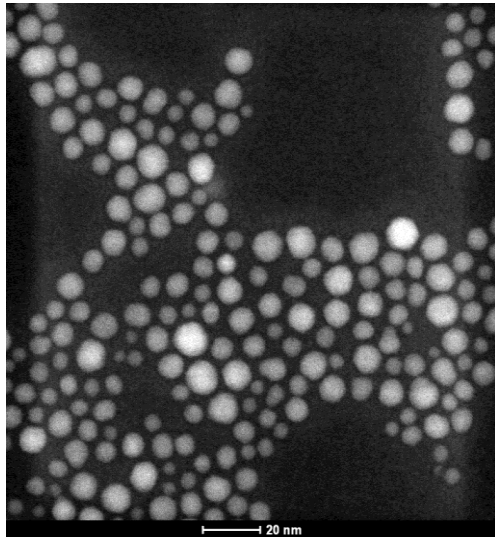
**Ni-01 in water (TEM/HRTEM images)**



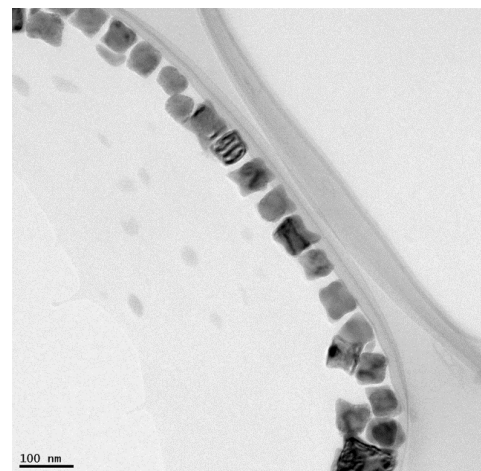
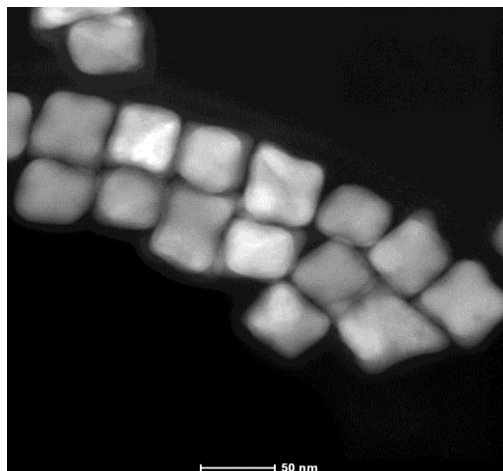
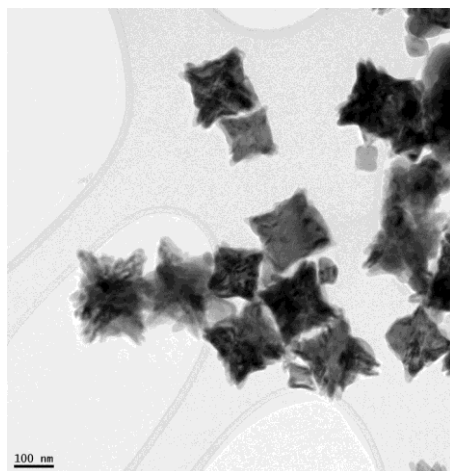
Ni-08 in water (TEM/HRTEM images)



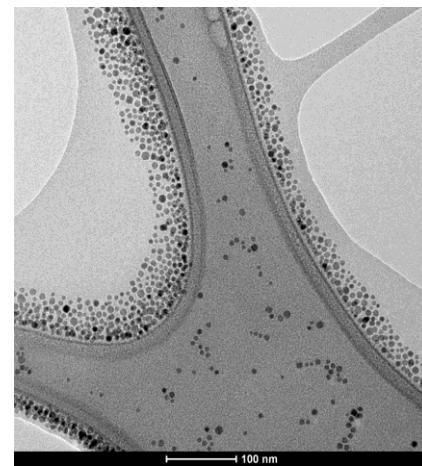
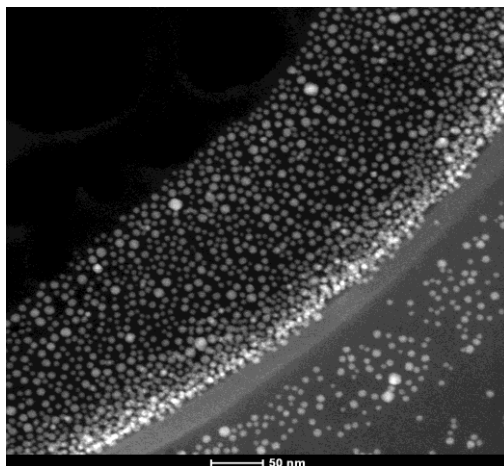
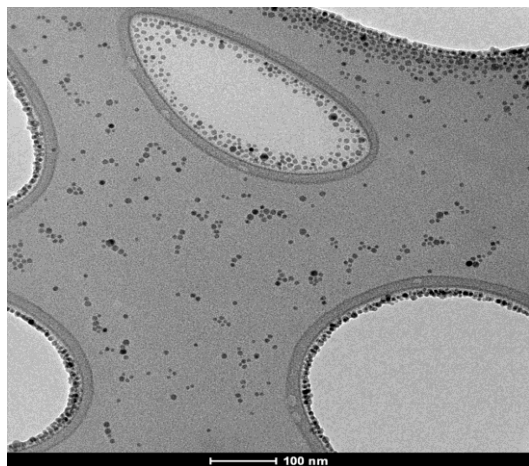
Co-05 in water (TEM/HRTEM images)



HK-20 in water (TEM/HRTEM images)

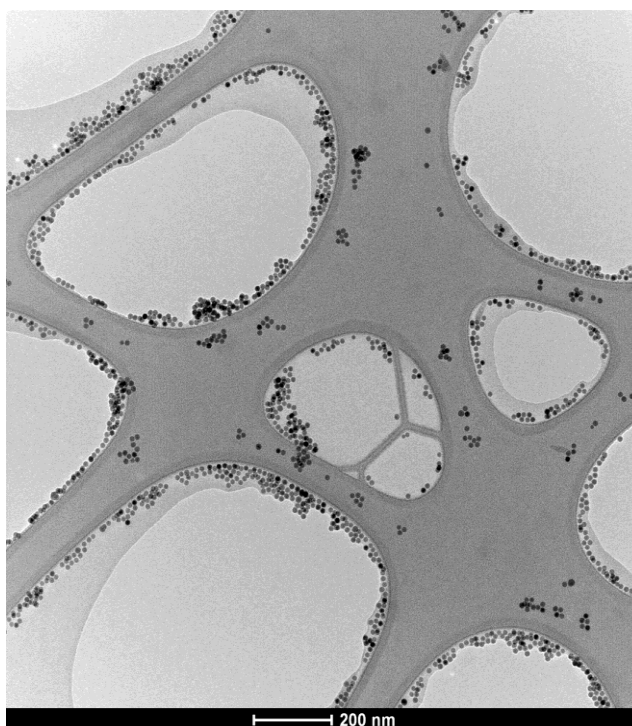
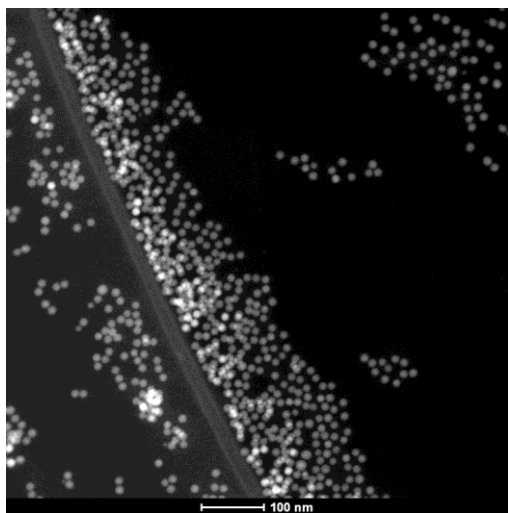
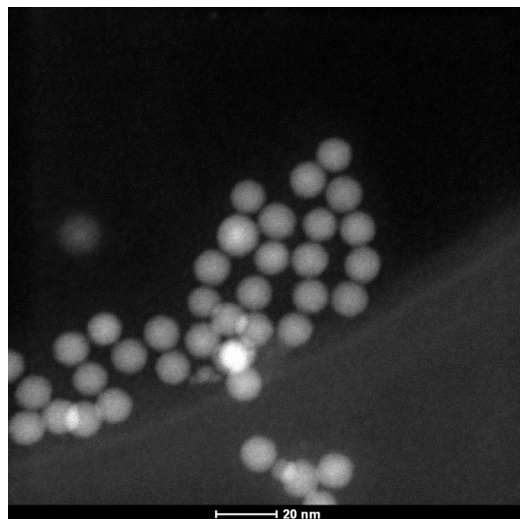
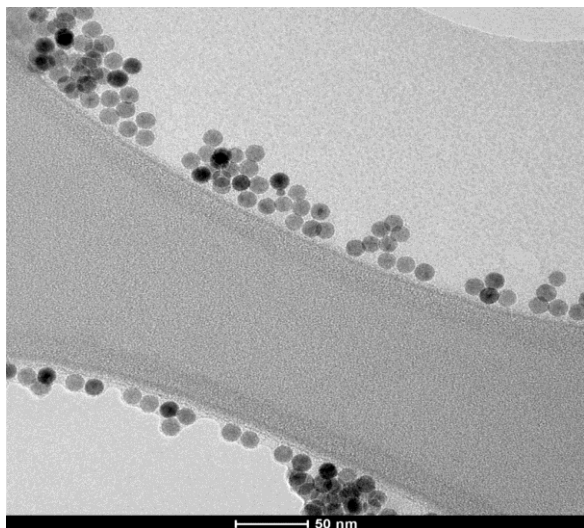


HK-24 in water (TEM/HRTEM images)



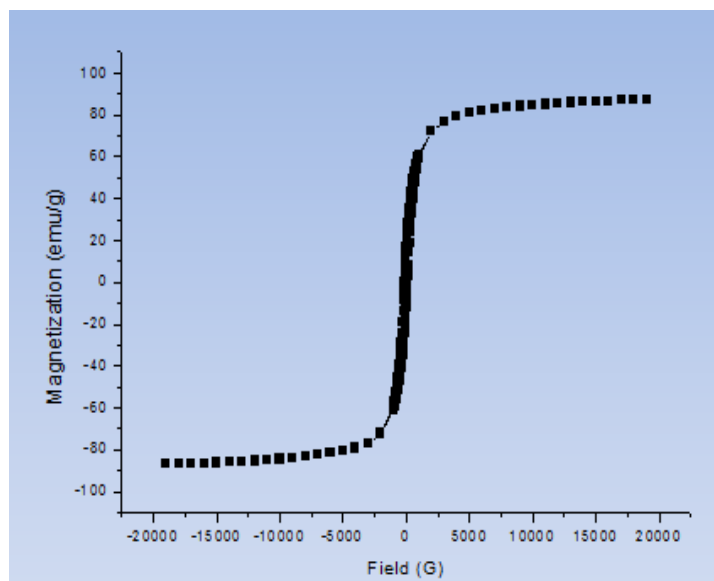


HK-25 in water (TEM/HRTEM images)

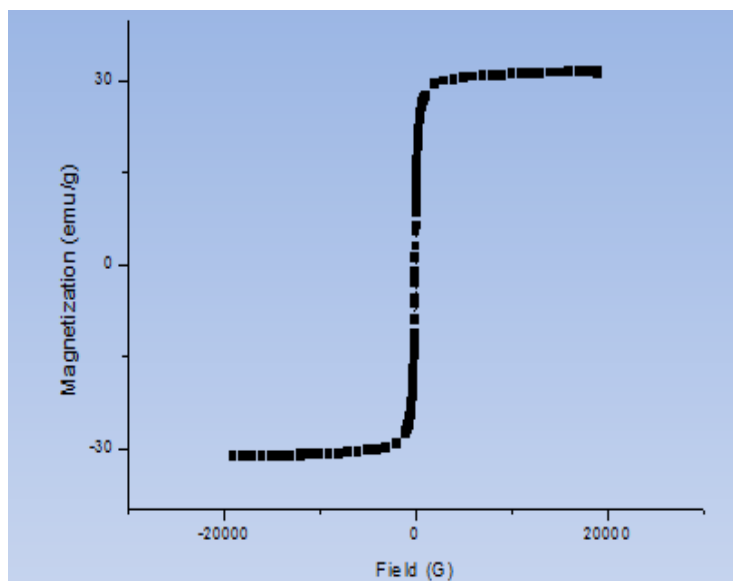


## VSM results of unknown concentration values

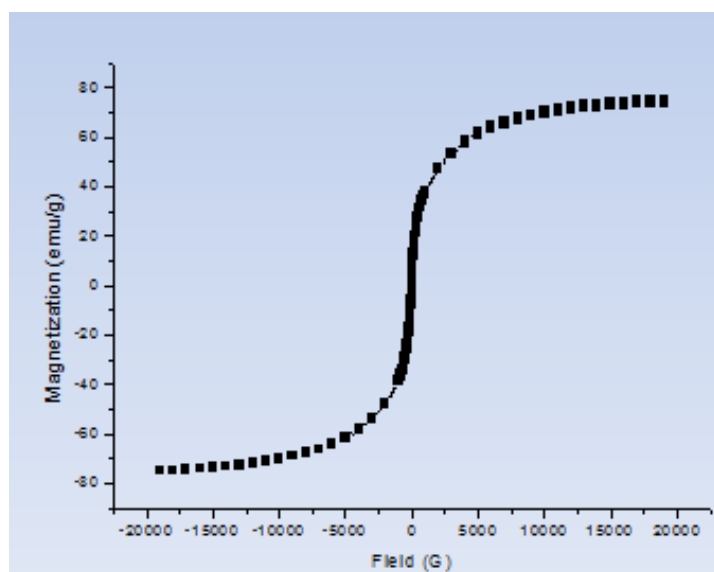
Ni-01



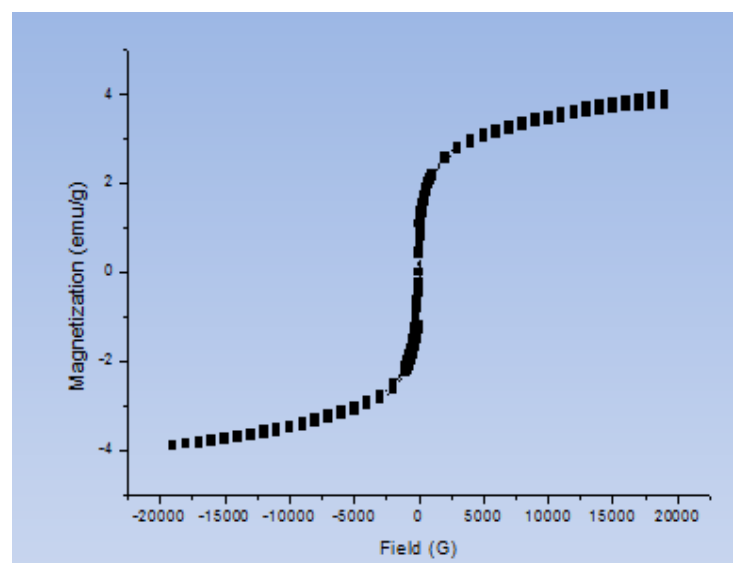
Ni-08



Co-05



HK-20



HK-25

