Electronic Supplementary Information (ESI)

Synthesis, characterization and photocatalytic studies of mesoporous silica grafted Ni(II) and Cu(II) Complexes.

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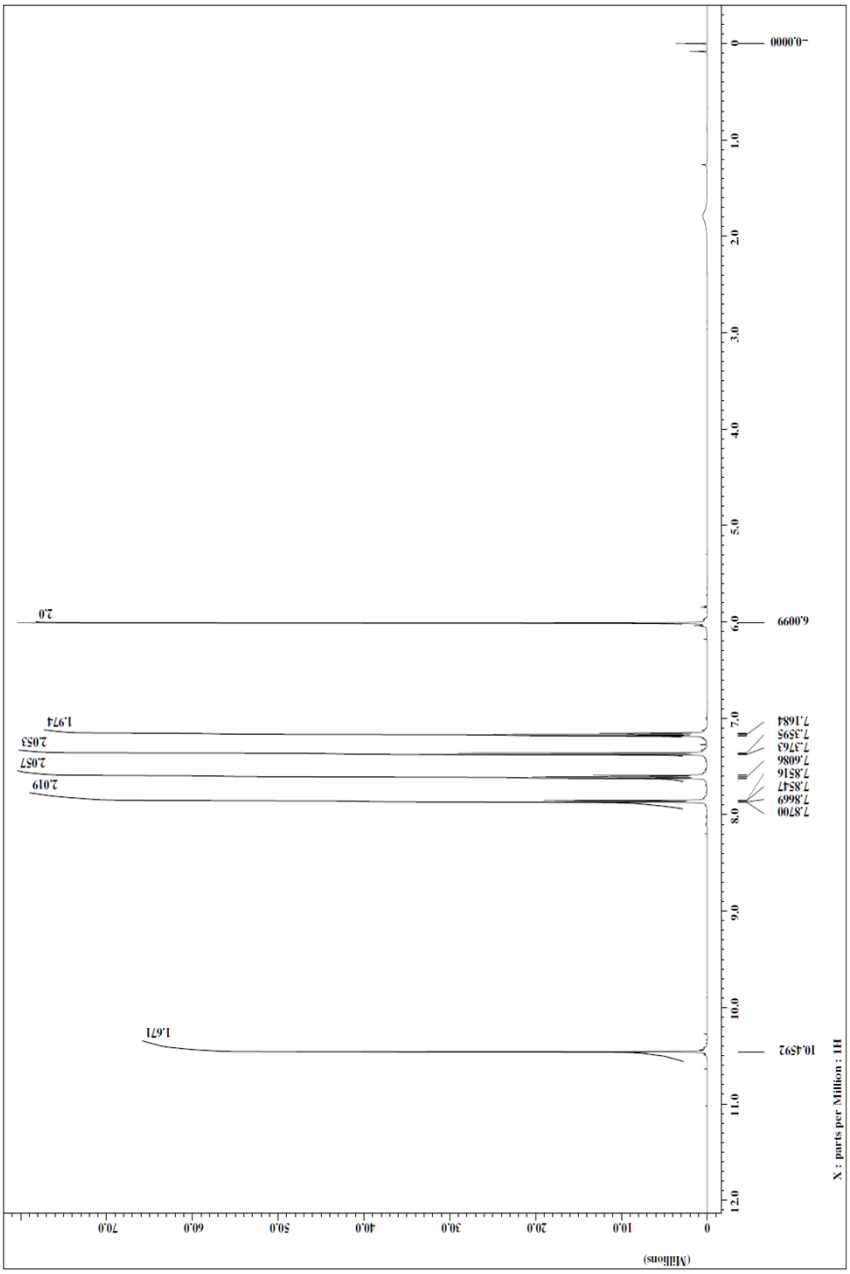
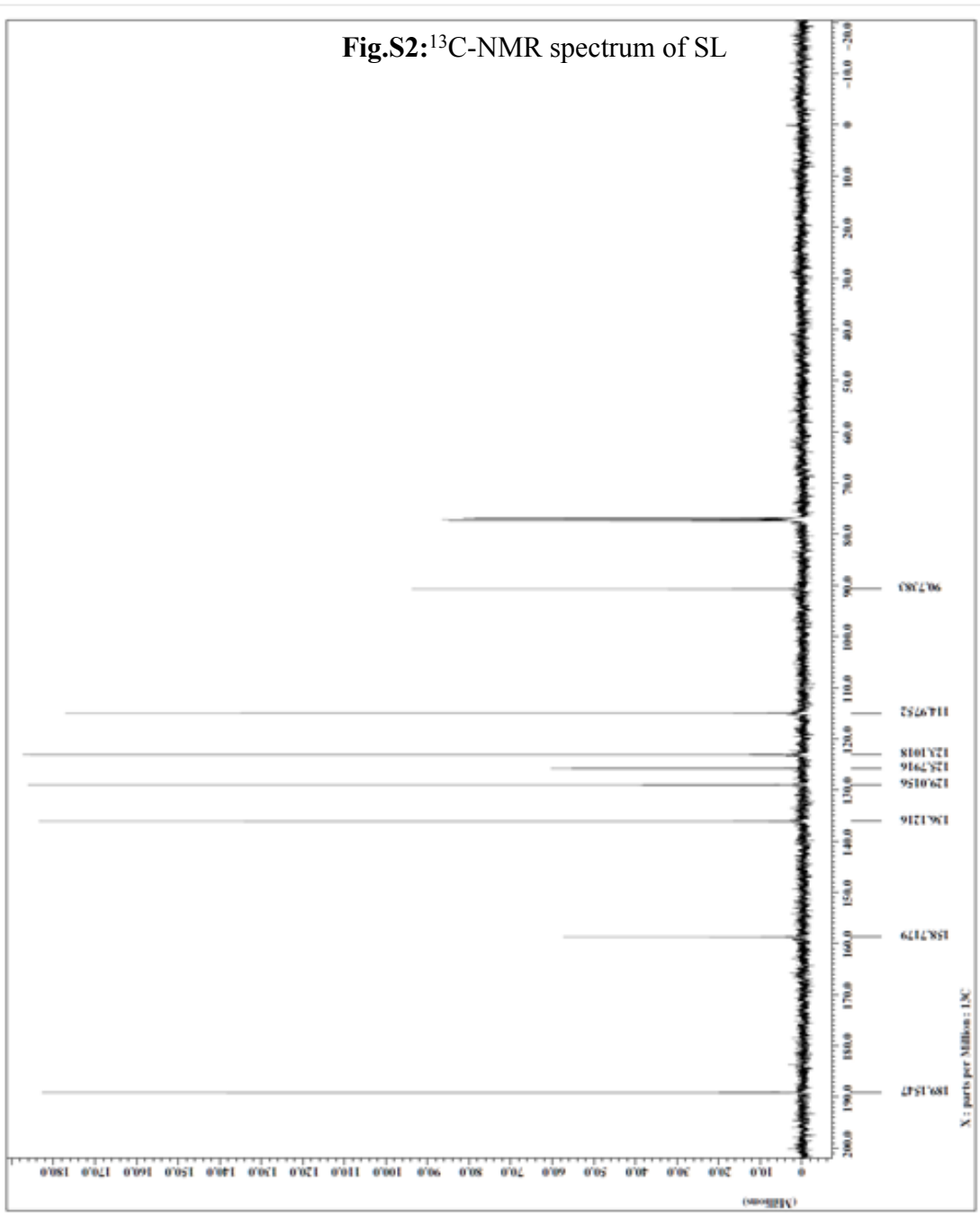


Fig. S1: [1]H-NMR spectrum of SL

Fig.S2: ^{13}C-NMR spectrum of SL



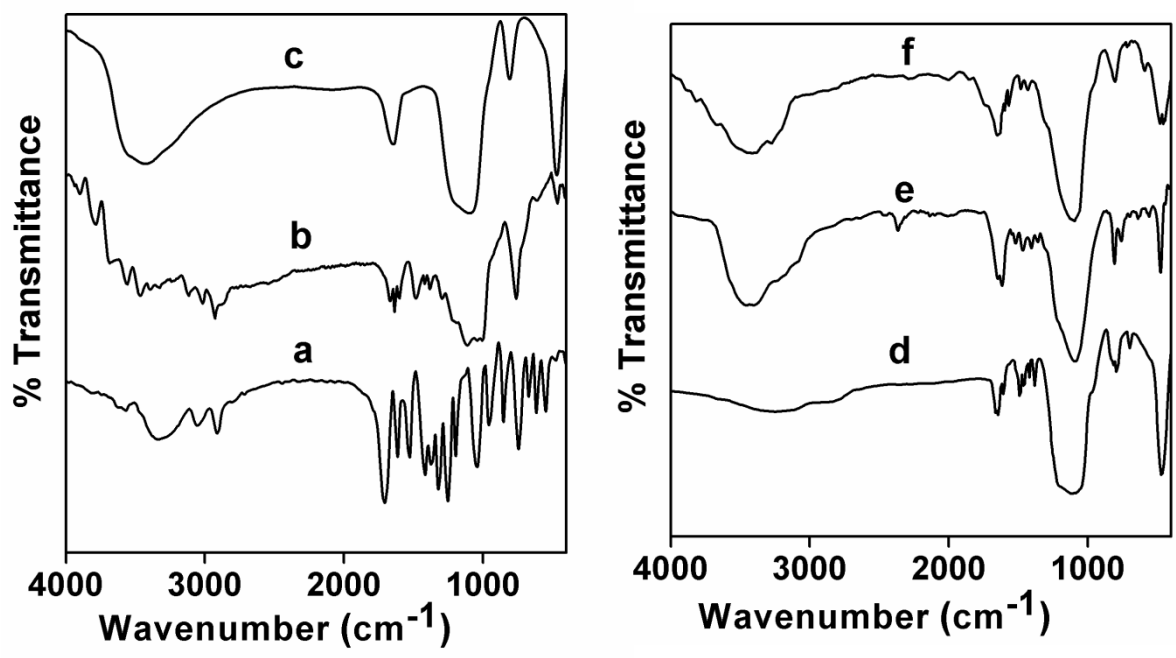


Fig. S3: FTIR spectra of the (a) SL, (b) SLTES, (c) MCM41, (d) SiOF, (e) NiOF and (d) CuOF.

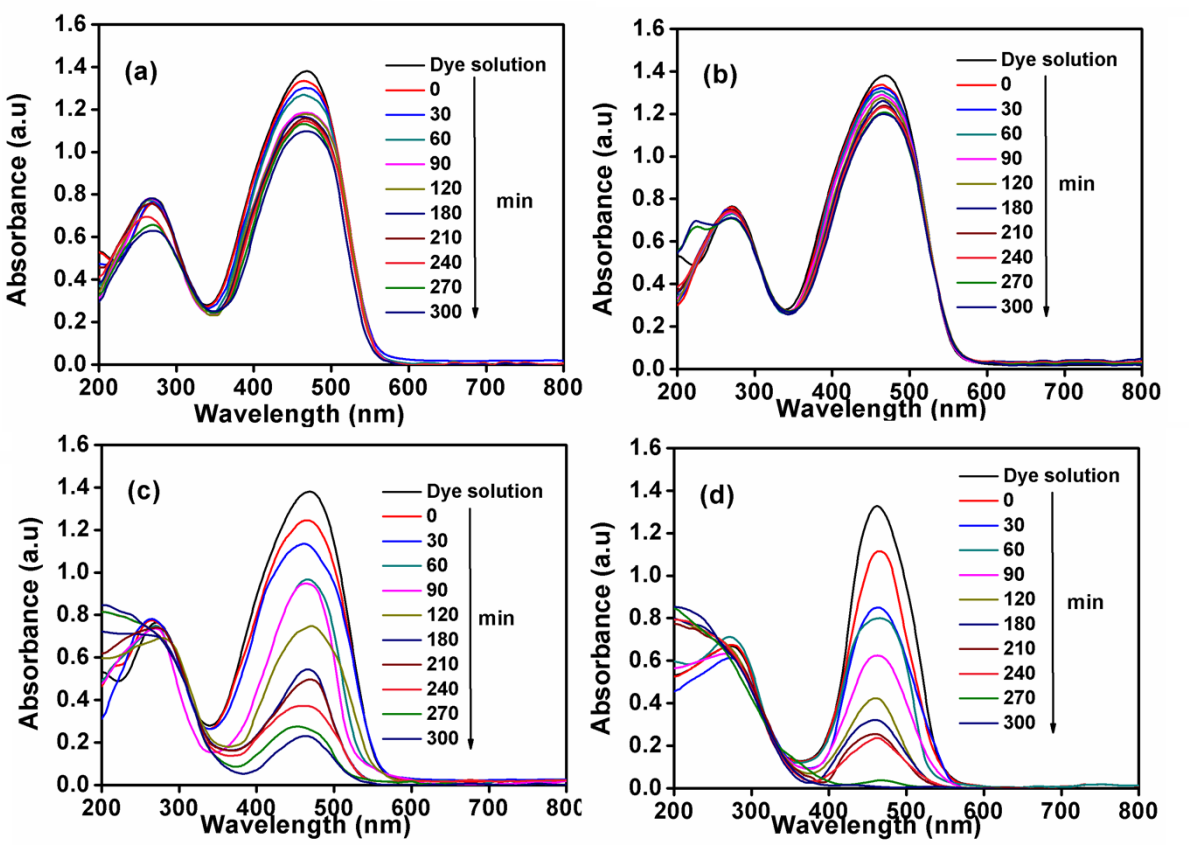


Fig. S4: The absorption plots for the photo degradation of MO in the presence of (a) Si-MCM41, (b) SiOF, (c) NiOF and (d) CuOF.

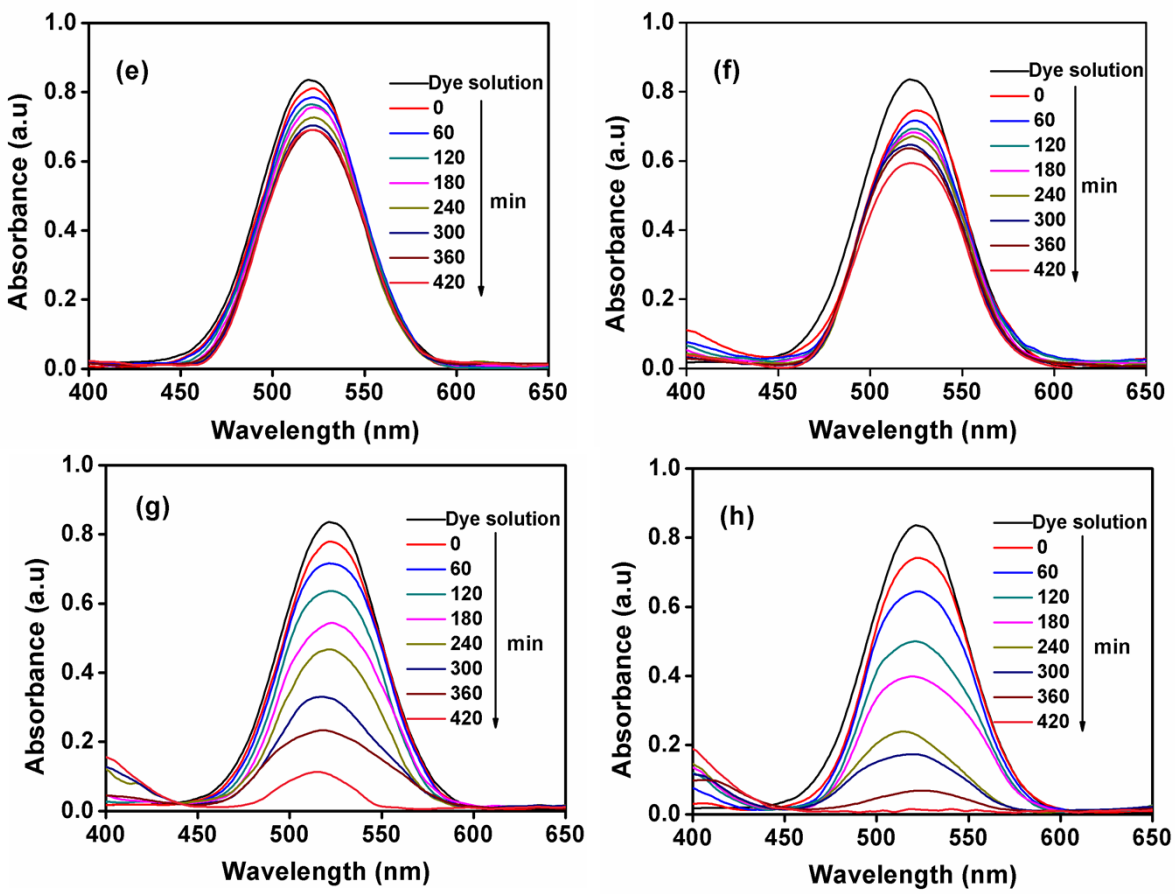


Fig.S5: The absorption plots for the photo degradation of RR in the presence of (e) Si-MCM41, (f) SiOF, (g) NiOF and (f) CuOF

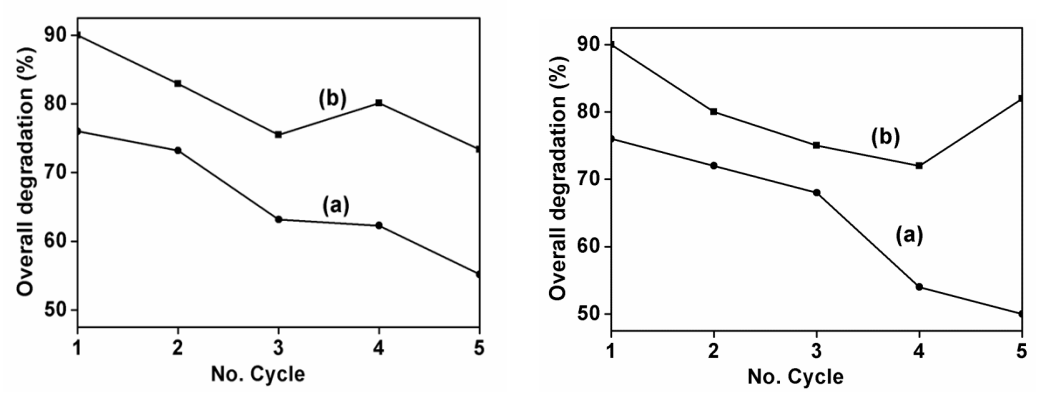


Fig.S6: The overall percentage of conversion in the methyl orange (a) reactive red 198 (b) in five cycles.

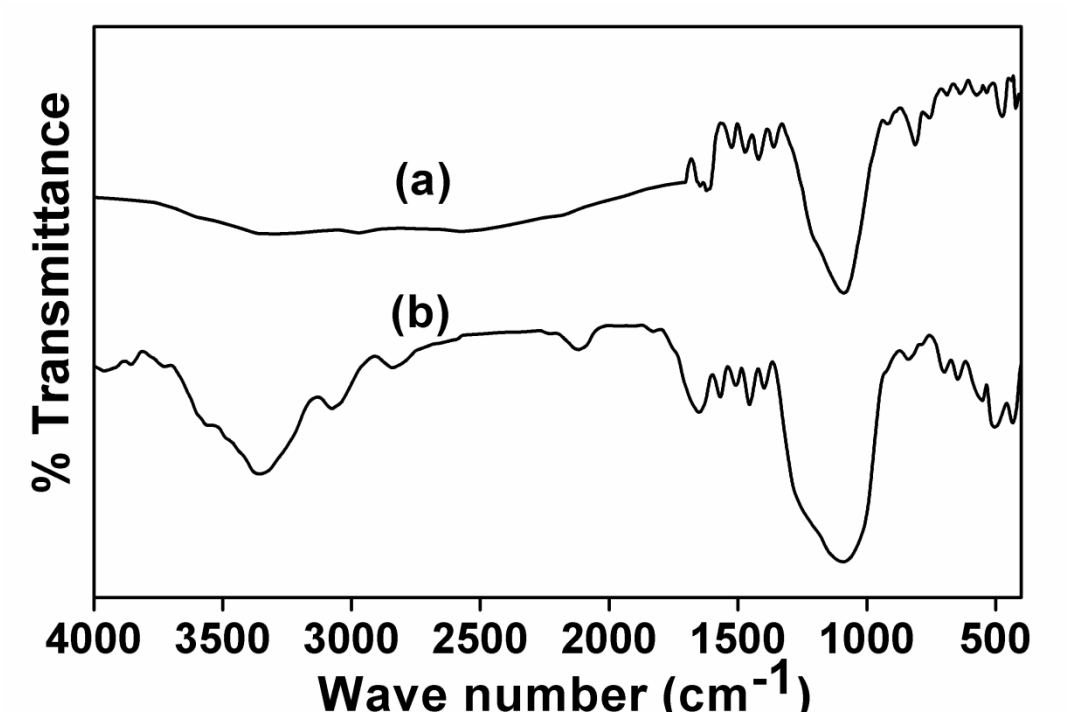


Fig. S7: FTIR spectra of the recovered (a) NiOF and (b) CuOF.

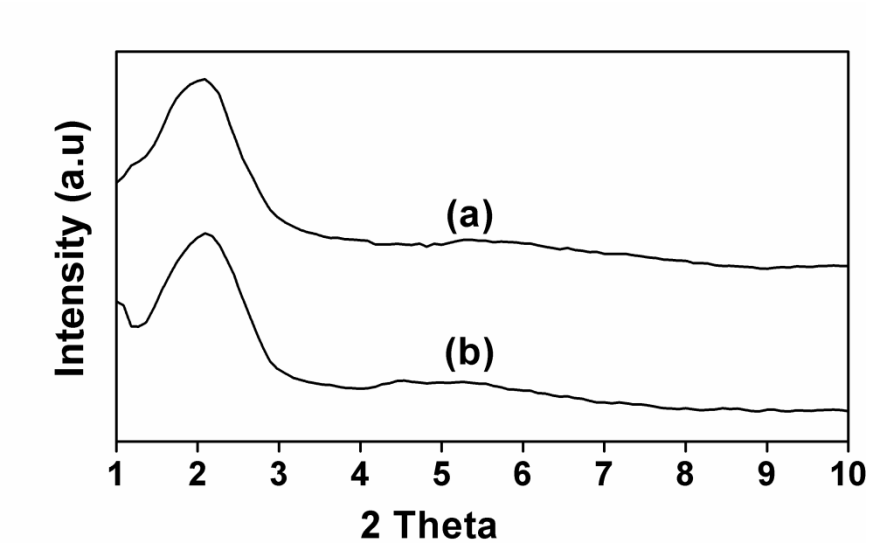


Fig.S8: XRD patternsof the recovered (a) NiOF and (b) CuOF.