

Figure S1 : Variation of rate constant with [SDS] for the reaction of  $[Fe(bpy)_3]^{3+}$  with dialkyl sulfides.

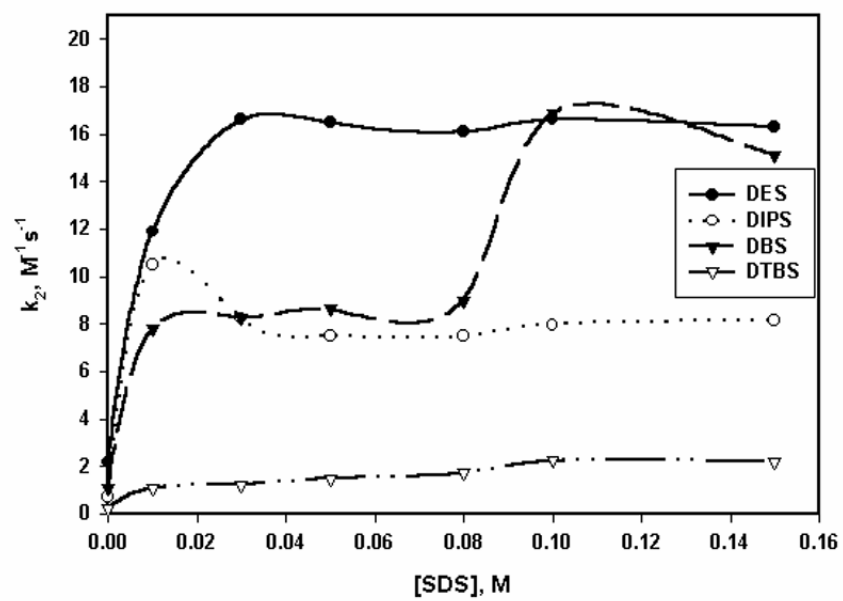


Figure S2 : Variation of rate constant with [SDS] for the reaction of  $[Fe(phen)_3]^{3+}$  with dialkyl sulfides.

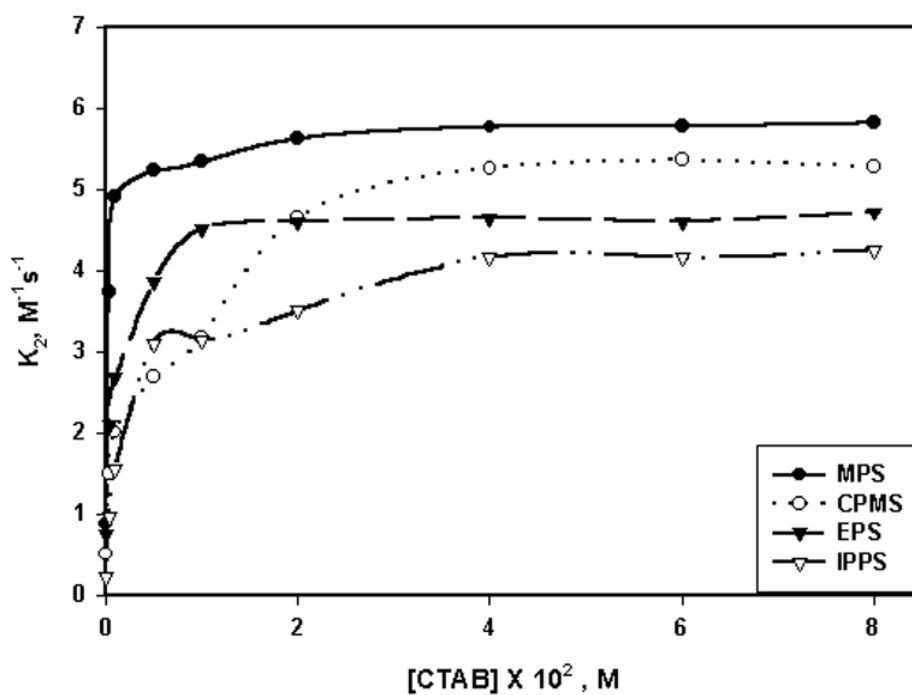


Figure S3 : The change of rate constant with [CTAB] for the reaction of  $[\text{Fe}(\text{phen})_3]^{3+}$  with alkyl aryl sulfides.

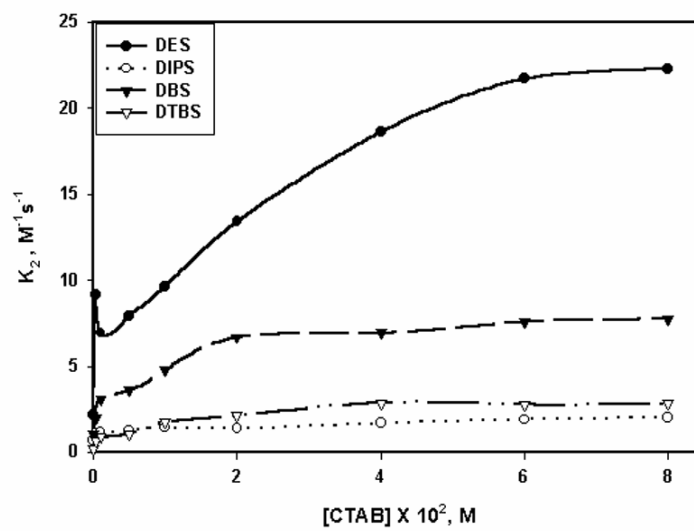


Figure S4. The change of rate constant with [CTAB] for the reaction of  $[Fe(phen_3)^{3+}]$  with dialkyl sulfides.

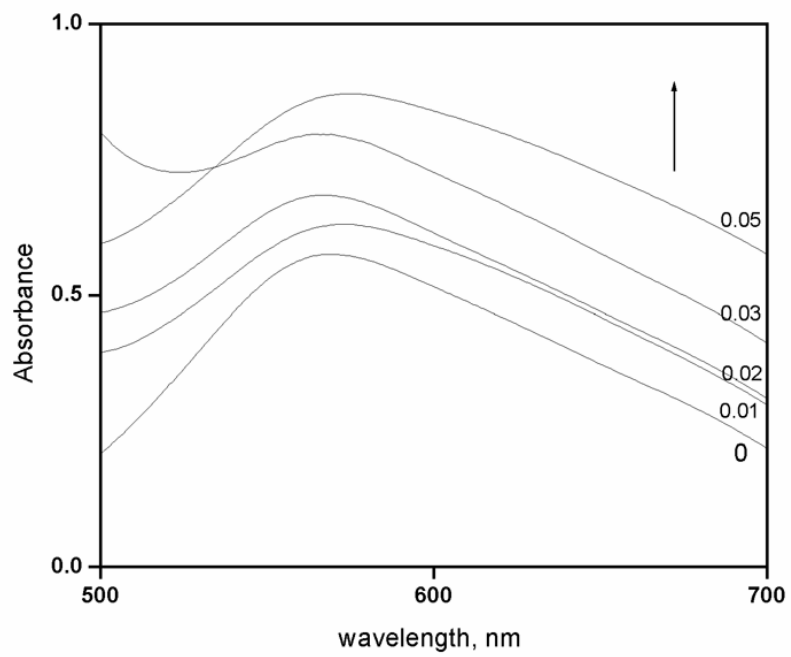


Figure S5. The change in the absorbance of  $[\text{Fe}(\text{phen})_3]^{3+}$  [CTAB].