

Supplementary information Figure

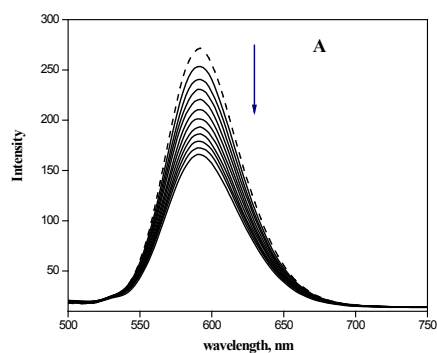
The manuscript belongs to

Title: Synthesis, CMC determination, Nucleic acid binding and Cytotoxicity of A Surfactant Cobalt(III) complex: Effect of Ionic Liquid Additive

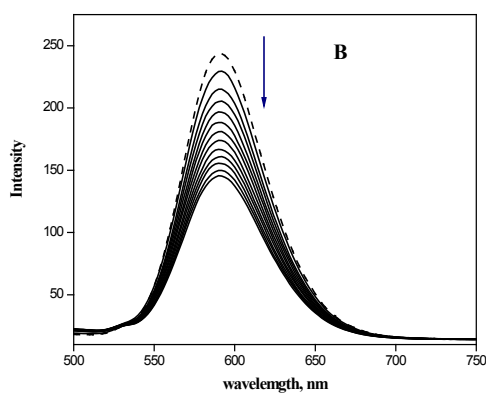
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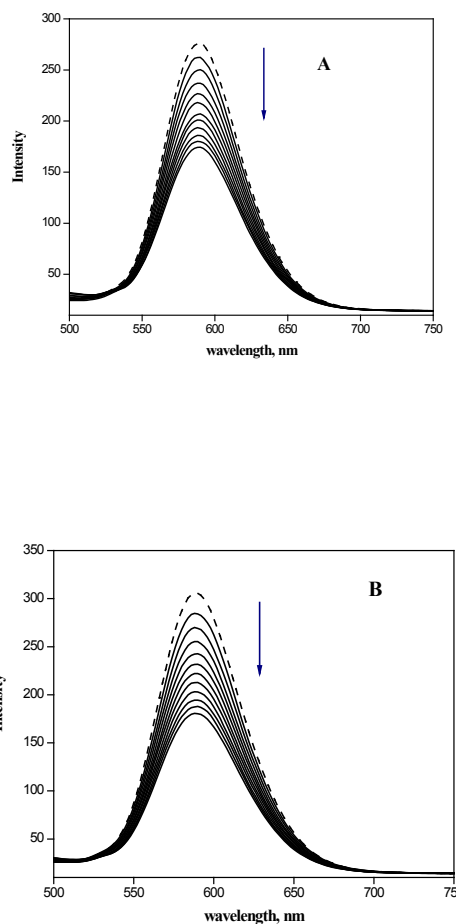


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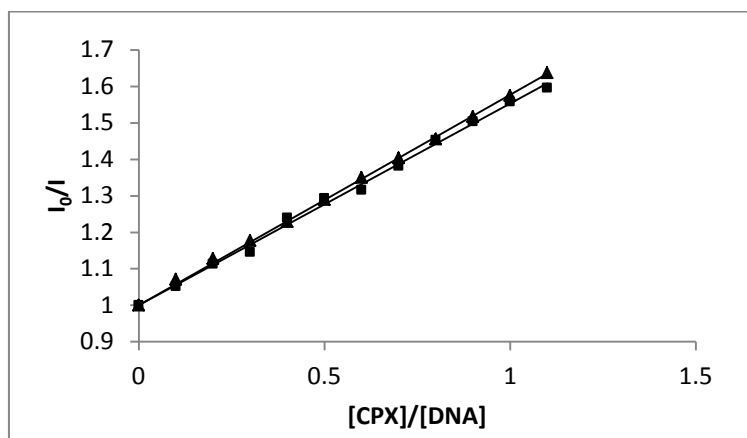


SIFig 1: Emission spectra of EB bound to CT DNA in the absence (---) and in the presence (—) of complex (A: Presence of ionic liquids) and (B: Absence of ionic liquids) [EB] = 2×10^{-5} M, [DNA] = 1×10^{-4} M, [Complex] = $0-1.43 \times 10^{-6}$ and Ionic liquids = 1×10^{-3} M. Arrow shows intensity changes upon increasing the concentration of the complex.

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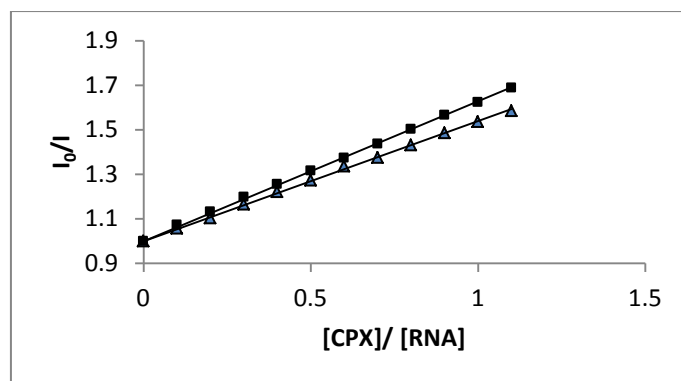


20 **SIFig. 2:** Emission spectra of EB bound to tRNA in the absence (- -) and in the presence (—) of complex (A: Presence of Ionic liquids) and (B: Absence of Ionic liquids) [EB] = 2×10^{-5} M, [RNA] = 1×10^{-4} M, [Complex] = $0-1.43 \times 10^{-6}$ and Ionic liquids = 1×10^{-3} M. Arrow shows intensity changes upon increasing the concentration of the complex.

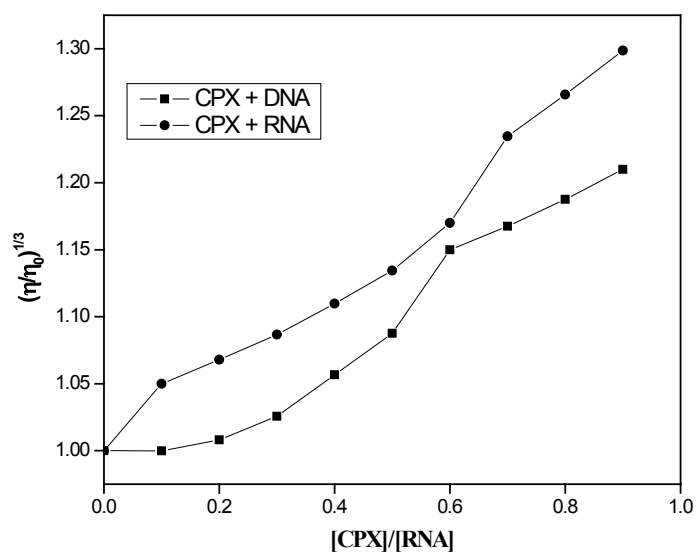


SIFig. 3: Fluorescence quenching curves of EB bound to CT DNA by surfactant-cobalt(III) complex Absence of ionic liquids and Presence of ionic liquids

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SI Fig. 4: Fluorescence quenching curves of EB bound to tRNA by surfactant-cobalt(III) complex Absence of Ionic liquids and Presence of Ionic liquids



SI Fig. 5: Effects of increasing amounts of complex presence of DNA and RNA on the relative viscosities of calf thymus DNA at 30.0 (±0.1) °C.

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