Supporting Information

Development of N and S Heteroatom Co-doped Stable Dual Emitting Carbon Ink in Aqueous Media for Sensing Application

Srikrishna Pramanik, Parukuttyamma Sujatha Devi*

*Email: psujathadevi@cgcri.res.in

Fig. S1: (a) and (b) are digital images of the N, S co-doped carbon in the presence of visible light and in the presence of UV light (365 nm), respectively.

Fig. S2: Hydrodynamic size of CNP
Fig. S3: Fluorescence intensity changes at different storage time

Fig. S4: Elemental mapping of CNP6
Fig. S5: FTIR spectra of the synthesized carbon

Fig. S6: CIE chromaticity diagram showing colour changes of CNP in the presence of different concentration of Hg^{2+} at 360
Fig. S7: Fluorescence spectra in the presence mixtures of different metal ions mixtures.