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Supporting Information

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

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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.