

# Electronic Supplementary Information

## Resonant excitation energy transfer from carbon dots to different sized silver nanoparticles

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**Fig. S1** Powder XRD pattern of the synthesized CD.

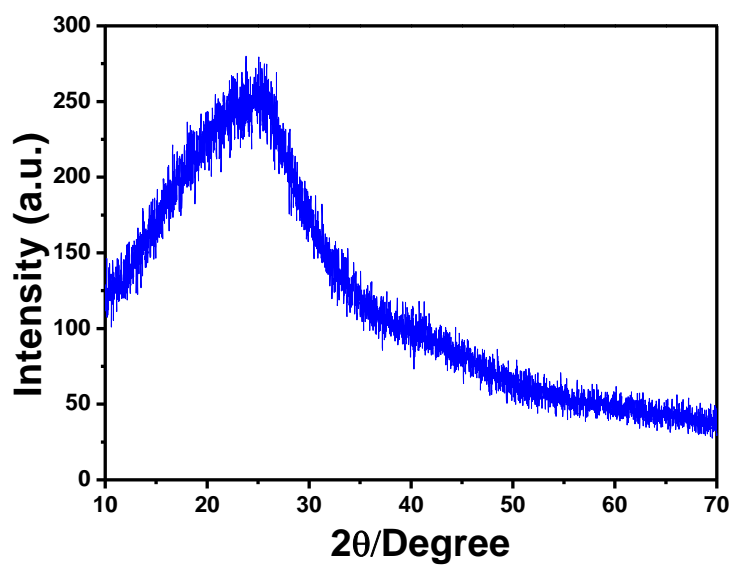
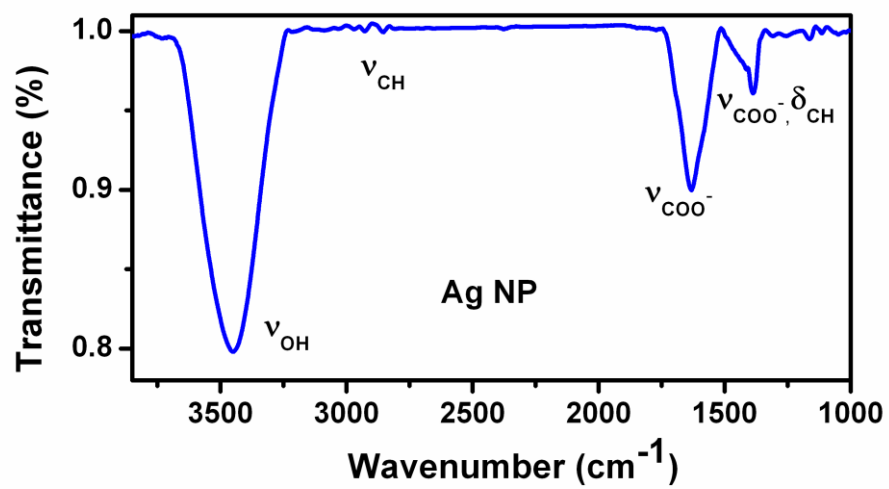
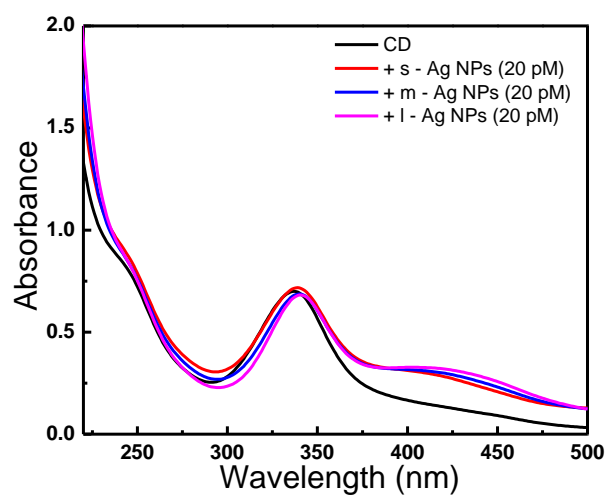


Fig. S2 FTIR spectrum of Ag NPs.



**Fig. S3** Changes in the absorption spectra of CD upon addition of 20 pM s, m, l – Ag NPs.



**Fig. S4** Normalized excitation spectra of CD ( $\lambda_{em} = 495$  nm) upon addition of 20 pM s, m, and l - Ag NPs.

