Electronic supplementary information

A graphitic carbon nitride-based efficient nanocomposite: low cost and stupefying photocatalyst for the degradation of tetracycline and As³⁺ in wastewater

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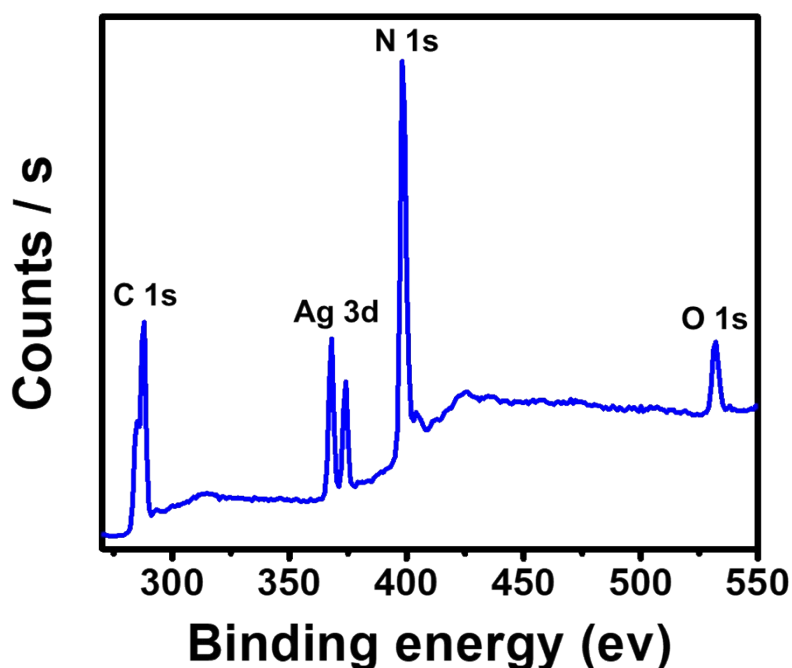Corresponding author Email: susanta.bhunia@vit.ac.in ; susanta.chem@gmail.com

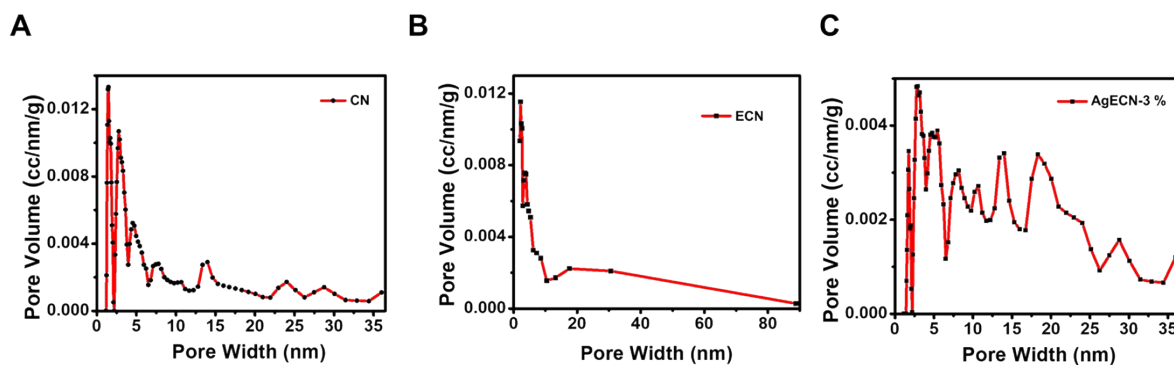**Fig. S1.** XPS survey spectra of AgECN-3 % nanocomposite.

Fig. S2. Pore volume results of **(A)** CN, **(B)** ECN, and **(C)** AgECN-3 % nanocomposite.

Fig. S3. Digital images representing the formation of purple color formazan at different time intervals.
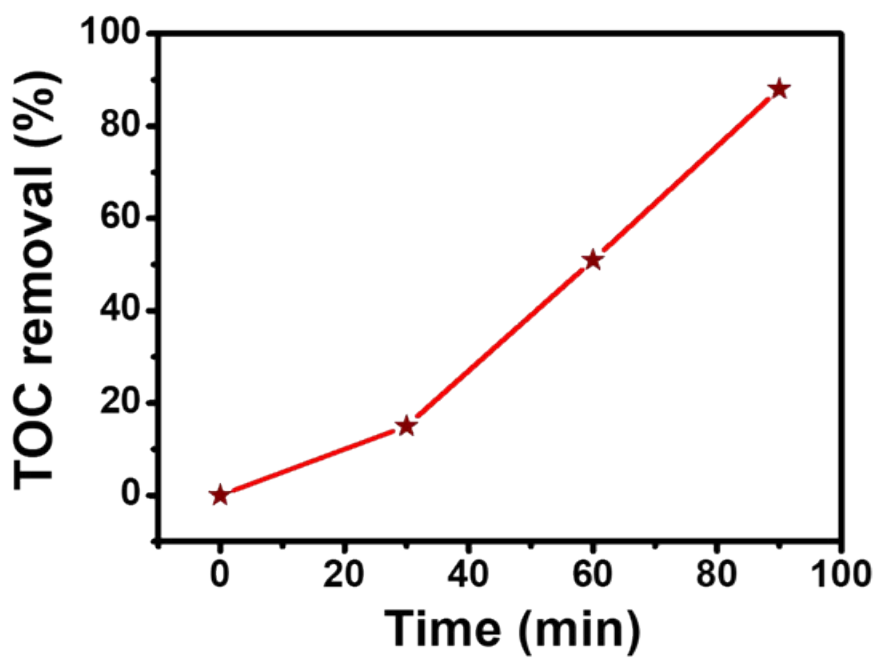

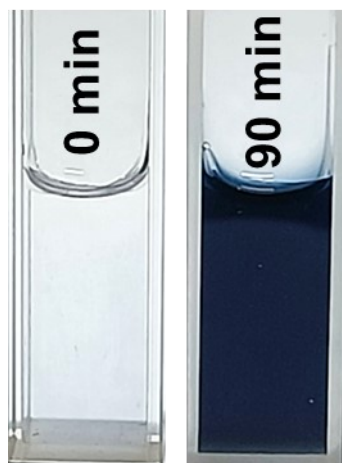**Fig. S4.** TOC removal rate for the photocatalytic degradation of TC.

Fig. S5. Validation for As^{5+} formation by molybdenum blue method from photocatalytic oxidation of As^{3+}.