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Supplementary Information

Zn-doped hydroxyapatite@g-C₃N₄: A novel efficient visible light driven photocatalyst for degradation of pharmaceutical pollutants

Juri Kalita^a, Linkon Bharali^a, Siddhartha S. Dhar*^a

a. Department of chemistry, National Institute of Technology, Silchar, Cachar, 788010, Assam, India Email id: ssd@che.nits.ac.in



Fig. S1 HRTEM images of Zn-HAp@g-C₃N₄ heterojunction





Fig S2 DLS measurement: Zeta potential distribution plot of Zn-HAp@g-C $_3N_4$

Catalyst characterization



Fig S4 The plot of C/C₀ vs time at (a, b) different pH and (c,d) different ratio of each component for photodegradation of CIP and LEVO solution respectively



Fig S5 Effect of various inorganic anions on the Photo-degradation of antibiotics solution under visible light



Fig. S6 (a) SEM image (b) EDS of reused catalyst





Fig. S8 Plot of $C/C_{\rm 0}\,vs$ time with different scavengers



Fig S9 (a) XRD Spectra of fresh and reused catalyst (b) Reusability study of the catalyst.



Fig S10 IR spectra of fresh and reused composite