Supplementary Data

Visible light driven efficient photocatalytic degradation of congo red dye catalyzed by hierarchical CuS-Bi$_2$Cu$_x$W$_{1-x}$O$_{6-2x}$ nanocomposite system

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Fig. S1 FESEM image of (a) CuS5BT, (b) CuS15BT, (c) CuS20BT and (d) CuS materials.
Fig. S2 Plot of $[F(R)h\nu]^2$ as a function of photon energy $h\nu$ in eV of (a) BT, (b) CuS5BT, (c) CuS10BT, (d) CuS15BT and (e) CuS15BT.
Fig. S3 (I) Photocatalytic activity of CuS10BT material in absence of H$_2$O$_2$ oxidant and (II) First order kinetic plots.